

DX NEWS

*the magazine of the
National Radio Club*

SINCE 1933

Volume 52 Issue 28 July 15, 1985

NRC LABOR DAY CONVENTION is fast approaching. Make your plans now! And have your hotel reservations into Craig Healy no later than August 6th, yes that's right, August 6th. More information can be found on page 46 of this issue. Don't delay...do it today!!!

FREQUENCY CHECK LIST which is now in the progress of being put together. Dave Schmidt is asking for those of you out there with info should drop him a line. His address can be found on the top of page 5.

NRC DX AUDIO SERVICE's boss, Frederick Vobbe has a new address and a new job! His address is: 706 McKenzie, Lima, OH 45805-1835. This address should also be used for any correspondence that you may have with the NRC DX AUDIO SERVICE.

Radio Earth According to them, they will begin a Europe operation starting with tests on 7.295 MHz Sundays from 0800-1500 UTC via the facilities of Radio Milano International in Milan, Italy. Also Radio Earth is looking for a Director of Marketing and Freelance Correspondents. If interested contact Radio Earth at: 1724 Sherman Avenue, Evanston, IL 60201. What about a North American Service? Stay tuned to these pages.

New Products Quite a few this time around. **Communications Satellites** by Larry Van Horn. This book is a first of its kind!! 216 pages stuff full of facts! Chapters cover spy & surveillance satellites, U.S. & Russian manned spaced missions, (including pictures of the soviet space shuttle!!), included in this 8 1/2 x 11" full size book is an exhaustive frequency cross-reference list which allows you to quickly identify the source of an unknown transmission from space! There are tables, maps, and lots of pictures!! To get this book, send \$12.95 (free bookrate shipping, or add another \$1.50 for UPS) to: Grove Enterprises, Box 98, Brasstown, NC 28902. Tell them you read about it in the DX News magazine. (Being a NASA fan from the start, I must admit Bob Grove hit on a good one this time...you'll enjoy this book.-HQ)

From **Gilfer Associates** comes word that the book, "Tropical Bands Survey, 13th Edition", from the Danish SW Clubs International, is available from Gilfer for a cost of \$5.50, this includes shipping. Also a new edition of the "World Broadcast Station Address Book" by Gerry L. Dexter is now available...more details can be found on page 42.

EEB Catalog is available for the asking. Write: EEB, 516 Mill Street N.E., Vienna, VA 22180 or if you're in a hurry call them at: 800-368-3270 and tell them you saw this in DX News!!

Speaking of Catalogs...what a list of the latest reprints and products from the NRC? Then drop us a mint U.S. 22 cent stamp and we'll get one out to you asap. Where do you get this catalog from? From the NRC Publications Center that's where!! Address on the back cover of this magazine!

50TH ANNIVERSARY BOOK special price--US\$10.00 for US and Canada and US\$15.00 for the rest of the planet. Yes, \$15.00 for the rest of the planet, last issue's price was an error...sorry folks. This offer is valid only through August 31, 1985 or until the books are gone, which ever comes first. If you have not yet received your copy of the history of the NRC, get your order today while supplies last. Send orders to: Publications Center, P.O. Box 164, Mannsville, NY 13661.

LOOK INSIDE:

2.....AM Switch	5.....DDDXD	7.....IDDXD
19.....Sports Networks	20.....Top End	21.....Sum. of Unrptd Stns
22.....Formats	23-26 Stn maps	27.....GYDWA
30.....AER Graph	31.....DUSTY DIALS	35.....2 SSR/SSS PROGRAMS
43.....Stn Profile--Mr. Prince	46.....NRC CONVENTION DATA	47.....Veri Signers

DON'T FORGET Listen to Wayne Heinen's "AM Interlude" on KQJB each and every Saturday evening local day, 0230 UTC.

THE WORLD'S OLDEST AND LARGEST ALL MEDIUM-WAVE DX CLUB

AM SWITCH

Jerry Starr, c/o WHOT Radio, 401 N. Blaine Ave., Youngstown, OH 44505

CALL LETTER CHANGES

Old call:	New call:	Old call:	New call:	Old call:	New call:
640 *New NJ Mount Holly	WWJZ*	1230 WGGG FL Gainesville	WEGZ	590 WLVA VA Lynchburg:	day power to 5000
750 *New IL Brookport	WZOM	WNVY FL Pensacola	WBOP	670 KDLG AK Dillingham:	10000/10000 U1
850 KLEU IA Waterloo	KWOF	KKER WA Spokane	KRSS	770 WEW MO St. Louis:	power to 10000 D3
850 WJW OH Cleveland	WRMR*	1260 KOIT CA San Francisco	KXLR	860 WSON KY Henderson:	add 500 watts night, antenna to U2
860 KLTQ UT Salt Lake City	KUTR	1320 *New FL Coleman	WHOF	870 KAIM HI Honolulu:	10000/10000 U1
870 *New NV Laughlin	KROL	1340 KCWM TX Victoria	KAMG	940 WINZ FL Miami:	night power to 25000, changes in antenna system
900 KUEN WA Wenatchee	KGSA	1350 WKGE SC Darlington	WDAR	990 KBLS CA Santa Barbara:	power to 5000
910 KVWA SD Volga	KJJQ	1350 WWRB PA Windber	WBEM	1030 WMIN MN Maplewood:	night power to 1000, station still on 1010 kHz but holds a CP for 1030, this application is for the CP
970 KSAX TX Fort Worth	KHVN	1400 KTRT CA Truckee	KKMK	1110 KBND OR Bend:	CH power to 12500
980 WBOP FL Pensacola	WCHZ	KNDE CA Visalia	KVIS	1240 WMPA MS Aberdeen:	power to 770 watts
990 WPIK AL Flomaton	WRBK	1410 WYLO TN Kingston	WB BX	1330 WKEA AL Scottsboro:	add 500 watts night, antenna to U2
WLETS LA New Orleans	WYAT	1500 WLVO MI Detroit	WCZY	1480 WNBG TN Waynesboro:	to 930 kHz with 500 D1
1040 *New NC Lewisville	WSGH	1510 WVAP SC Burnettown	WWWA	1530 KLAY WA Lakewood:	to 1180 kHz with 5000/1000 U2
1060 WHNI NC Mebane	WMYT	1540 KMIA TX Fort Worth	KUQQ*	1530 WCEG MA Middleborough:	reduce power to 500, antenna from D3 to D1, this is a reapplication, previous application was denied.
1070 KOPY TX Alice	KDSI	1570 *New CA Grover City	KTOR	1530 KTCR OK Wagoner:	power to 840 watts, another of those new intermediate power applications
1130 *New CO Dillon	KHTH	1570 WFBZ WI Minocqua	WMYM	1580 WEYY AL Talladega:	change city of license to Oxford, AL
1170 KSGR CO Windsor	KFSC	1580 WKHL MI Saint Johns	WGZS		
1190 *New GA Saint Marys	WECC	WHEX PA Columbia	WNZT		
*New PA Hughesville	WKDJ	WORG SC Orangeburg	WBLO		
1210 *New TX San Juan	KUBR	1600 KXVA TX Plano	KTNS		
1220 WEZG NY North Syracuse	WUSR				

*Notes on calls: Mount Holly-640 had asked for WMHN, but had these calls set aside in favor of WWJZ. WJW-850 had asked for WESM but these were set aside in favor of WMRM which is on now. KUQQ-1540's request for KMIA hinged on the sale of the station. The sale fell through so KMIA was never used.

APPLICATIONS FOR NEW STATIONS

540 CA Carmel Valley:	500 D3
550 NV Sun Valley:	500 D3
680 KY Newburg:	500/500 U4 (2nd application)
KY Okolona:	2500 D3 (2nd application)
700 TX Coppell:	500/500 U4
740 WA Dishman:	500 D1
830 GA Lithia Springs:	50000/1000 (25000 CH) U4 (reapplication)
SC San Souci:	5000/500 U4 (reapplication)
850 OR Waldport:	250/250 U1
900 CO Del Norte:	1000 D1
1050 CA Frazier Park:	2500 D3
MT Kinsey:	500 D1
1120 TX Manor:	1000 D3 (2nd application)
1130 NM Milan:	5000 (250 CH) D1
1160 FL Calahan:	50000/500 U4
FL Woodville:	5000/250 U1
1170 FL St. Augustine Beach:	2500 D3
FL Hastings:	5000 D1
1260 MS Ellisville:	2500 D1
1520 MO Camdentown:	2500 D3

GRANTS FOR NEW STATIONS

720 TX Universal City:	5000/1000 U4
730 FL Lake Placid:	250 D1
840 LA Ball:	1000 D1
1030 NC Mint Hill:	10000 D3
1040 MO Saint Josephs:	2500 D1 (corrects previous listing on 1440, info from the FCC release was incorrect)
NC Lewisville:	10000 (250 CH) D3
1070 OR West Klamath:	10000 (2500 CH) D1
1100 NC Highlands:	5000 D1 (corrects previously listed power)
1120 MA Concord:	1000/1000 U4
1130 CO Dillon:	5000 D1 (initial grant was challenged, is now full grant)
1160 AL Mobile:	10000/1000 U2
1170 TN Collierville:	1000 D1
1190 PA Hughesville:	1000 D1
1200 TN Lebanon:	5000/5000 U4
TN Mount Carmel:	10000/250 U4
1210 TX San Juan:	10000/1000 U1
1290 UT Kanab:	5000 D1
1490 UT Salina:	1000/1000 U1

APPLICATIONS FROM EXISTING FACILITIES

590 WLVA VA Lynchburg:	day power to 5000
670 KDLG AK Dillingham:	10000/10000 U1
770 WEW MO St. Louis:	power to 10000 D3
860 WSON KY Henderson:	add 500 watts night, antenna to U2
870 KAIM HI Honolulu:	10000/10000 U1
940 WINZ FL Miami:	night power to 25000, changes in antenna system
990 KBLS CA Santa Barbara:	power to 5000
1030 WMIN MN Maplewood:	night power to 1000, station still on 1010 kHz but holds a CP for 1030, this application is for the CP
1110 KBND OR Bend:	CH power to 12500
1240 WMPA MS Aberdeen:	power to 770 watts
1330 WKEA AL Scottsboro:	add 500 watts night, antenna to U2
1480 WNBG TN Waynesboro:	to 930 kHz with 500 D1
1530 KLAY WA Lakewood:	to 1180 kHz with 5000/1000 U2
1530 WCEG MA Middleborough:	reduce power to 500, antenna from D3 to D1, this is a reapplication, previous application was denied.
1530 KTCR OK Wagoner:	power to 840 watts, another of those new intermediate power applications
1580 WEYY AL Talladega:	change city of license to Oxford, AL

GRANTS TO EXISTING FACILITIES

690 KBBA AR Benton:	relocate XR
810 WDDO IL Johnson City:	add 500 watts night, antenna to U2
840 WNUY FL Scottsmoor:	relocate XR, city of license to Mims, FL
870 KIEV CA Glendale:	day power to 10000, antenna to U4, relocate XR
880 KIKR TX Conroe:	night power to 1000
1010 WCBF FL Tampa:	add 500 watts night, antenna to U4, city of license to Seffner, FL
1030 WINS NY New York:	changes in antenna system
1030 KXZI CA San Luis Obispo:	relocate XR, new station not on yet
120 WKWQ PA Oil City:	changes in antenna system, new station not on yet
130 KMNR ND Bismarck:	50000/50000 U4, move to Lincoln, ND
140 WASG AL Atmore:	CH power to 50000 directional
150 WOQN FL Pine Hills:	power to 2500, new station not on yet
150 KNED OK McAlester:	night power to 1000
180 KNPE NE Bellevue:	relocate XR, new station not on yet
250 WBRM NC Marion:	relocate XR
270 WCGC NC Belmont:	day power to 5000, antenna to U4
290 WJBR DE Wilmington:	power to 2500
300 WKRT FL Cocoa Beach:	changes in antenna system
380 WVKY KY Winchester:	power to 2500
390 WISA PR Clinton:	add 500 watts night, antenna to U2
400 WGTN SC Georgetown:	relocate XR
420 KJCK KS Junction:	add 500 watts night, antenna to U2
430 WEEF IL Highland Park:	relocate daytime XR
440 WBIS CT Bristol:	to 1120 kHz with 1000/500 U2
480 WTDY WI Helotes:	relocate XR
490 WVGB SC Beaufort:	changes in antenna system
540 WSMI IL Greenwich:	relocate XR
600 WKBJ TN Milan:	power to 2500

HERNESS

40 KAR CA Hesperia:	target date moved back again, this time to 1/1/86
90 WAFC FL Clewiston:	expects to be on "by late fall"
20 *App TX Marble Falls:	application for new station dismissed in the same decision that granted new Universal City station
00 KQIN WA Burien:	has begun initial tests of their new 820 kHz facility and has requested an extension of the 820 CP
70 *App WI Madison:	application for new station DISMISSED
80 *New LA Bossier City/Shreveport:	this CP has been around for years, was finally dropped from the FCC's inventory, remove from Log
50 KRIC IC Boise:	application to relocate XR DISMISSED
00 *App FL Longwood:	application for new station returned
20 *App FL Umatilla:	application for new station returned
*App TX Bridge City:	application for new station returned
30 *App CO Dillon:	group which opposed the initial grant for a new station here in 1983 has had their petition denied so Dillon Broadcasting Company gets the grant for a new station as noted previously
40 KOSY AK Soldotna:	new station is on, adult contemporary/oldies format
WONQ FL Pine Hills:	will be on by "late July", station claims to have permit for 5000 watts but nothing has appeared in the FCC record concerning this power.

1160	WYRU	NC	Red Springs: moved here from 1520 kHz 6/19/85 with 5000/250 kW
1170	WRTT	CT	Vernon: station is silent pending sale
	WCXN	NC	Clarendon: requests extention of CP
1210	*App	TX	San Benito: application for new station DISMISSED in the same action granting new San Juan station on 1210 kHz
1230	KUAL	UT	Price: requests CP to replace expired permit for 750 kHz
1330	WBAS	FL	Crescent City: station is silent
1340	KQIL	CO	Grand Junction: requests extention for 1370 kHz CP
1450	KDXU	UT	St. George: latest in a long string of announced target dates is 6/6/85 for the move to 890 kHz which means it MIGHT be on as you read this.
1460	*App	FL	Lake Mary: applicant has amended application to include 500 watts at night
1480	WABB	AL	Mobile: application to move to 1160 kHz DISMISSED in same action granting new station on 1160 kHz in Mobile.
1490	WYKR	VT	Wells River: application to move to 840 kHz returned
1500	KRCK	CA	Burbank: missed it's announced 6/1/85 target date, no new information has been released.
1510	*App	GA	Snellville: application for new station returned
1520	*App	TX	Porter: application for new station returned
1530	WCEG	MA	Middleborough: application to reduce power to 500 watts so antenna could change from D3 to D1 was DENIED by the FCC. The station, as noted previously, has reapplied for the same change but with new engineering data.
1540	KMFO	CA	Aptos-Capitala: requests extention of CP for power increase
1560	KBRL	NE	Imperial: application for power increase DISMISSED
1590	WPSL	FL	Port Saint Lucie: target date is "September 1985".
1600	WQZQ	TN	Lebanon: application to move to 1200 kHz DISMISSED in the action granting a new station on 1200 in Lebanon.

And a few final comments: Those using the Broadcast Topix column in Popular Communications magazine should be aware that a number of miscues have been popping up lately. We have several inquiries concerning call changes they listed for new AM stations in Socorro, NM and Amarillo, TX. Actually these calls were granted to new FM stations in these locations. Note also that many of the call changes listed in their July edition were listed here in DX News in JANUARY! More if it happens and I happen to notice it happening.

73 and Good DX,

Jerry & BKF

Jerry Starr & Buffalo K. Foonman

Daytimers Deserve New AMs

Groups Suggest RARC Plans

by David Hughes

Washington DC ... Daytimers should have preference for new channels when Region 2 expands the AM band to 1705 kHz later this decade, said NAB and ABES.

This suggestion was one of several responses to two Notices of Inquiry about plans for the 1986 Regional Administrative Radio Conference (RARC), in which Western Hemispheric countries will decide how to use the new 100 kHz of AM broadcast band.

Ten new AM frequencies will be available to major metropolitan areas, as well as rural areas, according to FCC attorney Jonathon David.

The first RARC, slated for 14 April-2 May 1986 in Geneva, Switzerland, will develop the technical criteria and planning methods for broadcast use of the 1605-1705 kHz spectrum. A second RARC session, scheduled for 1988, will consider the findings of the first conference.

Daytimer preferences

Daytimers "merit special consideration" in their quests for full-time authorization on the new band spaces because they have "technically limited facilities which place them at a significant competitive disadvantage," NAB said.

As the rules stand now, a daytimer would not be allowed to operate on a second co-band frequency in or near its particular community. In such a case, the Commission would have to grant waivers of its AM duopoly rule until the station could divest its original frequency within a specified period of time.

Instead, the FCC "might consider imposing a requirement that the AM daytime-only licensee obtaining the new AM expanded band grant divest one of the AM stations after a suggested period of five years," NAB said.

Also, RARC should reserve parts of the band for noncommercial and minority service operations, NAB and ABES added.

Technical regs

Neither NAB nor ABES want Class I stations in the new band, because sky-wave interference from the high-powered stations would preclude regional full-time operations.

Instead, NAB espoused a "compromise" to allow only Class III stations on the new band section, because Class III power allotments fall between the extremes of high- and low-power stations.

For daytime operation on the new band, NAB recommended a 5 kW minimum power level, which would provide a non-directional daytime service area of between 20 and 25 miles.

NAB also suggested nighttime operation at a 5 kW maximum and 1 kW minimum.

Since the new band's heightened sky-wave propagation would cause even greater nighttime interference, ABES recommended that Class I's (Class "A's" according to the Rio Plan), which propagate great distances at night, should not be allowed at all.

Continue page 6

DOMESTIC DX DIGEST

Dave Schmidt, 42 Chelwynne Road, Castle Hills, New Castle, DE 19720

Here is the NRC column which matches the excitement as much as a glass of Bromo Seltzer! When sending your items in, please type or neatly write, EDT, one side of the paper, skip a line or two between items, etc., etc. With the usual hard line editor rules out of the way, we'll give you something to calm your uneasy stomach:

SPECIAL

WBZ

KNCY

1030	WGFC	VA	PLOYD - 5/26 0648-0706 good then faded w/no WBZ, Blue Grass music, ID. As of 5/26, I was their most distant listener per V/LI (HH-MD)
1160	WCCS	PA	HOMER CITY - 5/18 2230 noted w/SMMN Sat. nite oldies show, promos, ID's as 'Amazing AM', signal ranging from very strong o/WJD to nil. (DS-DE)
1270	KORN	OK	CLAREMORE - 5/27 1334-1741 noted off on Memorial Day, back at on 5/28 0737 recheck. Didn't have a chance to pursue this later in the day due to homemade ice cream and hamburgers. Nothing heard except very weak carrier during day. (BW-OK) Maybe they had a cookout, too! (DS)
1380	WAVI	NH	PORTSMOUTH - 5/21 Noted w/new calls in use today, ex-WBBX. (STAN-MA)

MIDDAY - MIDNITE

WZM

Alive... WIRE

1170	WJCC	MA	NORFOLK - 5/21 1928 w/ little league baseball, in clear. (PO-NH)
1230	WNR	VA	NORFOLK - 5/19 2149 atop then faded w/CW song, female anc' w/ID. (WPT)
1340	WGAW	MA	GARDNER - 6/15 1720 good w/end of Red Sox baseball, ID'd as 'the all new 1340 AM'. (BC-NH)
1350	WMRS	NH	LACONIA - 5/14 1939 poor thru noise w/ID, 'Memories of yesterday, memories of today'. (PO-NH)
1390	WPLM	MA	PLYMOUTH - 5/14 1926 noted w/Red Sox baseball, ID. (PO-NH)
	WBOK	NY	POUGHKEESEIE - 5/14 1932 w/ID noted thru mess. (PO-NH)
	WRIV	NY	RIVERHEAD - 5/14 1933 news promo w/several ID's atop mess briefly. (PO)
1420	WACK	NY	BURLINGTON - 5/14 1927 ID, CW music, trying to top channel w/little success. (PO-NH) Sounds like someone's life story to me! (DS)
	WLIS	CT	NEWARK - 5/26 2022 fair w/Beatles song, plug for oldies show. (WPT-DC)
1430	WVAM	PA	OLD SAYBROOK - 5/21 1918 pop music, ID, weather noted thru bad interference and noise. (PO-NH)
	WPKS	MA	ALTOONA - 6/9 2006 good o/u WNAV w/ID. (WPT-DC)
1500	WFIF	CT	EVERETT - 5/16 1900 local ads, ID noted after WPTT s/off. (PO-NH)
1510	WNLC	CT	MILFORD - 6/19 2008-2011 o/u WTOP w/religious CW music, ID. (BC-NH)
	WMRE	MA	NEW LONDON - 6/15 1921 good w/Yankee Baseball, ads, no WMRE. (BC-NH)
1550	WXVA	WV	BOSTON - 6/15 2144 good w/NJ Generals football. (BC-NH) You sure this wasn't WRAN? (DS)
	UNID	NY	CHARLES TOWN - 6/15 2042 poor/fair w/CW music, using '---- Country' slogan, sounded like 'Star Country' but last DXBD lists it as 'Rock Country'. (BC-NH) It is Star, it's a satellite service, I drive right past them on my travels to NC, on route 340. (DS)
	WUTQ	NY	UTICA - 6/19 2035-2045 fair w/STD/MYL type music til s/off. (BC-NH)
			6/19 2046 weak w/end of REO Speedwagon song into s/off, sounded like WOGR or WSER. (BC-NH) WSER s/off is 2030. (DS)
1560	KWCO	OK	CHICKASHA - 5/25 2132 W/AM/FM ID, lost dog item, PSA, nicely atop splash from 2 mile distant KXQJ-1550. (BW-OK)
1570	KLEX	MD	LEXINGTON - 5/25 2114 ID's into s/off w/power mention, to return 0700, all o/XERF who took over by 2116 at end of SSB. (BW-OK)
	WPEP	MA	TAUNTON - 5/21 1910 local news including run down of police calls, ID w/noise. (PO-NH)
1590	WASY	ME	GORHAM - 5/11 2307 rock music, ID, severely fading. (PO-NH)

MIDNITE - MIDDAY

890	KBYE	OK	OKLAHOMA CITY - 5/25 0846 noted w/SPANISH talk and music, ads in English and Spanish, caught me off guard until ID'd. (BW-OK)
990	KGTM	TX	WICHITA FALLS - 5/25 0852 w/ads, ID, 'N TX, S OK first and only AM stereo station'. (BW-OK) AM

*** I S ***

WBZ 970 AM

WSVL 97.1

530	KNIC273	MD	ROCKVILLE - 6/9 2202 road conditions on I-70, repeating tape loop. (WPT-DC)....5/4 0752 good days o/Washington Airport TIS w/road work info. Verified via prepared card, 24 hour a day sked. (HH-MD)
-----	---------	----	--

BZ13

RADIO 1170

WJCC

KFD
AM/FM
RADIO

RANDUMBS

Really had to dig to get all this info together; this is going out 6/26, held over to get some more info (BC's made it on time). If you get any info on call changes, or something that may be of interest while you're away on vacation, send it along.

I'm looking for any FREQUENCY CHECK info to put together a new frequency check list for 1985-86, if you have any info or would like to help in this project, please get in touch with me ASAP.

NOISEBUSTERS

HH-MD/Hank Holbrook, Chevy Chase, MD/SP600, Colgrove Loop
STAN-MA/Stan Morss, Bradford, MA/HQ180, Loop
BW-OK/Bruce Winkelmann, Tulsa, OK/R390A, LM
WPT-DC/Bill Townshend, Washington, DC/Portavision 12-660
PO-NH/Patrick O'Connor, Hinsdale, NH
BC-NH/Bruce Conti, New Ipswich, NH/R70, APT3, LM

***WRIT-1170 is silent, per late tip from MUSCO.

That's it, see you in a month! 73's - Good DX!

From PAGE 4

Instead, ABES recommended allowing unlimited hours of operation to an "intermixed system" of Classes B and C (which roughly correspond with Classes III and IV, respectively). Class Bs are regional operations with powers not exceeding 5 kW, while Class C powers do not exceed 1 kW.

"Experience conclusively shows that it is neither wise nor practical to create new daytime-only or other types of limited hours operations," ABES commented.

Concerned about non-broadcast services on the new band, NAB suggested that Travel Information Services (TIS) move from 1605 kHz to 1700 kHz.

"It makes little sense to interrupt the AM broadcast band with TIS operations at 1610 kHz if those operations can be moved to 1700 kHz without significant cost," NAB commented.

Planning for overall regulations, NRBA and ABES suggested that the Commission should treat the new band as an expansion of the existing AM broadcast band.

Protection ratios, class of emission, and bandwidth requirements should be the same as those regulating the existing band, ABES said.

"Uniformity in modulation standards will simplify receiver design, avoid expense and... expedite the introduction of (535-1705 kHz capable) receivers into service," ABES said.

Advisory committee

The Radio Advisory Committee, a group of industry leaders who advise the FCC of preparations for international conferences, is now primarily concerned with RARC plans.

The Committee's technical and allocations subgroups meet individually and together to hash out specific questions.

The allocations subgroup examines which localities and areas of the country should receive new radio stations, and whether public and minority groups should get the channels.

If stations in the new band segment mainly serve small communities, lower

power levels will probably be required, FCC's David said.

However, if new stations are to serve minority groups scattered throughout major metropolitan areas, higher powers would be needed to overcome the radio noise and interference found in built-up areas, David added.

David, leader of the allocations subgroup, said he wants the subgroups to represent as broad a constituency of broadcasters as possible.

"We need the give and take now," he said.

The technical subgroup is examining power levels, emissions classes and protection ratios, in addition to the possibility of sharing the new band with other services, according to technical subgroup chairman and ABES President Wallace Johnson.

The advisory committee will combine the subgroups' findings into a report, to be issued to the FCC this summer, David said.

Final plans

The FCC, which will consider the Committee's report as well as comments solicited from NOIs, expects to adopt final plans in late 1985 or early 1986.

The Commission will send its final recommendations to the US State Department for use at the first RARC session.

Meanwhile, in February members of the FCC attended the CITEL Conference in Lima, Peru, to iron out many of the less controversial issues regarding band expansion.

The FCC said it will release a third NOI on the RARC plans this summer. The FCC will incorporate comments recently received on the second NOI with those from the third.

FCC Docket number is 84-752.

JIA

Radio World 7 JX



WAVERLY
IOWA 50677



Instituição de utilidade pública
(Portaria N.º 537, de 1965)

CAIXA POSTAL 222
Telefones (21) 540-6140
Ext. Tele. 240-5400

LUANDA
ANGOLA

INTERNATIONAL DX DIGEST

Chuck Hutton, 437 Hardendorf Ave., Atlanta, GA 30307 (404) 378-8215

Times are GMT

For ELT subtract 4 hours.

Deadline: Monday

171 USSR Khabarovsk-Kray 3/9 1457 flute mx // 191, poor signal. (Vernon)

182 USSR Petropavlovsk-Kamchatskiy 3/9 1458 instrumental mx then Mayak IS // 236. (Vernon)

191 USSR Blagoveschensk 3/9 1451 female singer, fair. (Vernon)

236 USSR Magadan 3/9 1456 male singer, good signal for short time. (Vernon)

245 USSR Vladivostok 3/9 1457 flute mx, seemed to be // 155, 191 (very poor signal) with Program One. (Vernon)

580 PUERTO RICO WKAQ San Juan 4/1 0524-0528 fair with news in SS o/u the Cuban w/WTAG off. (DeLorenzo)

585 USSR Sverdlovsk 4/2 1608 CC ID for R. Moscow, good: // 1475. (Wood)

603 AUSTRALIA 7ZL Hobart 3/22 1214 male with news, mentioned only ABC and TC, 1215 weekly program on religion, was // 793 1215*. (Vernon)

630 AUSTRALIA 4QN Townsville 3/22 1209 news, 1210 tone, Queensland news, mention of Cyclone Sandy. XInt sig. (Vernon)

700 PERU Lima R. Aeropuerto 4/17 0438 ID's as "Esta es Radio Aeropuerto, La Grande" between each mx selection; Peruvian and tropical styles. WLW eliminated on SE Beverage; remarkable strength for listed 1 kw. Peru has now left DST. WRTW fails to mention DST for Peru. (Wood)

702 KOREA PDR Ch'ongjin 4/2 1605 KK news, alternating male and female. WRTW 1985 says reported on 700, but now on 702. Good. (Wood)

747 NAMIBIA Gobabis 4/2 0432 Herero talk by man. No SW //. My third logging and again, quite good. (Wood)

747 NAMIBIA Gobabis 4/17 getting stronger and in longer as southern hemisphere winter approaches, noted 0420-0505 in Herero with several Afrikaans words, mostly numbers, and mentions of Namibia; ID 0500. Reported. (Wood)

760 PERU Lima Radiomar 4/17 0431 electronic time signal for "Las 11, 30 mins", (was one minute late), Lima ads, many IDs as "Radiomar"; romantic mx. 0/u KGU on southeast Beverage whose backbeam unfortunately hits Honolulu. (Wood)

765t SENEGAL Dakar 3/20 0605 male w/AA type singing, fair signal w/static. (Vernon)

765 UNID 3/11 0714 female anncr, just audible, male anncr, noted earlier with Guinea-1404 in so well, I had visions of Senegal, mx may have been received OK but only very weak talk noted. (Vernon)

774 SPAIN synchros 3/23 0543 US soul hit "How 'bout Us", then SS talk by man o/SAH. (Connelly)

783t NEW ZEALAND 2YB Wellington 3/16 0932 female anncr, mentioned 783 KHz and "Weekend alternative station", TC and intro to final pgn (this evening). Male anncr, then rr mx to 1003, female mentioned on air from 9 AM to 10 PM, then gave some program details, 1004:20 rr mx then faded. (Vernon)

800 BRAZIL Rio de Janeiro Radio MEC 4/9 0400 dominating PJB at sunset skip. Classical piano sonata, good. (Wood)

801 NORTH KOREA Hwadae 4/14 typical North Korean orchestral mx // 855, 860 at 1555. Good. (Wood)

828 UNID 3/20 0541 male AA type talk, 0546 AA type singing, poor signal, all alone (So go find yourself some company--Chuck). (Vernon)

840 BRAZIL Salvador R. Excelsior 4/8 0805 full ID "ZYH447... 840 KHz equivalente Radio Excelsior", time checks, "saudade" songs. My second Brazilian on 840 after Bandeirantes. (Wood)

855 NORTH KOREA Sangwon 4/15 // 801, good. (Wood)

855 SPAIN Murcia RNE 3/23 0529 man and woman in SS, good with WHDH phased. (Connelly) 3/10 0610 male and female in SS, by far the strongest station here from Spain. (Vernon)

860 NORTH KOREA Shinuriu 4/15 1555 // above (North Korea on 855-Chuck). Good. (Wood)

870 COLOMBIA Barranquilla HJBB 4/7 0500 apparent s/off w/SS talk "transmitiendo desde Barranquilla... Mar Caribe... 30000 vatios en antena" followed by open carrier. WHDH phased. (Connelly)

873 882t UNID 3/23 0455 African sounding mx o/SAH (Mozambique?). (Connelly)

891 CANARY ISLANDS 4/7 0548 SS-sounding talk by woman, badly splashed by WCBs. (Connelly)

895 ALGERIA 3/23 0447 loud w/AA mx and talk. (Connelly) 3/28 2340-2353 t/c w/AA vocals despite an equally loud WLS. (DeLorenzo)

COLOMBIA Santa Marta HJPM 4/7 0550 festive LA mx. (Connelly)

9
205 ECUADOR Guayaquil R. Espectaculo soft romantic mx 4/16 0415, ID as 1055 KHz R. Espectaculo", so split frequencies are still official in Ecuador. (Wood)
263 INTERNATIONAL WATERS R. Monique International, 3/18 0408 male anncr in=1 believe-Dutch language with rr mx in 3 or 4 record clusters, EE mx from 60's. Dutch lang mx also, finally able to figure out the ID off a jingle at 0420 "Radio Monique Favorite", xint sig at times, expect this is the Caroline ship. No commercials though. 3/20 0344-0400 EE Caroline service, 0349 female anncr, mentioned word for today on Caroline was "Loving Awareness". Xint sig but carrier cut out a couple of times briefly. 0356 TC by female anncr, mentioned Caroline would continue on 576 KHz 24 hours a day and Dutch service on Radio Monique at 4 on 963. 0400 pips then male anncr with frequency, wavelength, time of broadcast, 5 AM to 7 PM CET then mentioned transmission in Dutch in EE/Dutch/FF. listened to 0430 when big TT noted beginning, maybe a mainland jam? Was on and off type. (Vernon)
1000 CHILE Santiago R. Novisima 4/17 0400-0415 national and international mx, ID as "RN Noticias", serious, sober presentation, temperatures for different cities, into romantic mx. Mostly clear, later some ZYK522. (Wood)
1020 VENEZUELA YURS Margarita, La Asuncion 4/8 0541 two male anncrs between mx, many mentions of Margarita, SA #2 after 7 years (Elsa is just a terrible DX location, right? Chuck). SS mx noted also on 1010 and 720, no IDs. (Vernon)
1044 MOROCCO Sebaa-Aloun 4/7 0519 AA female vocal loud and clear; WHN slop was phased out. (Connelly)
1053 SOUTH KOREA 2/15 1634 echo jammer very strong. (Vernon)
1055 WEST MALAYSIA Mersing 4/16 1550 Islamic prayers, 1555 female anncr (not often heard on Muslim programs in Arab countries), ID for Radio Malaysia, Qur'anic doctor talked, more prayers; 1600 announced closing frequencies but not this one. This is nominal 1053, reported as 1055 in frequency listing (but not country listing) of WRTB 1985. Country #71. (Wood)
1062t CHINA Guangzhou PBS 2/16 orchestral mx, 1555 female anncr with talk, probable s/off. Fair signal. (Vernon)
1062 PORTUGAL Sao Salvador 3/23 0606 PP talk, fair. (Connelly)
1100 ANTIGUA St. John's ZDK 4/7 0537 reggae show good o/HJAT w/dominant WWD/E phased. (Connelly)
1134 INDIA Calcutta 4/14 1557 EE talk on taxes (maybe they have the same deadline as we do); still heard after KLEI carrier on 1600 and KLEI s/on 1601. (Wood)
1140 ALASKA KCSY Soldotna 4/7 1008 promo about a talk show at 9 AM on "stereo K-C-S-Y", mostly MoR type current hits and oldies. (Vernon)
1143 USSR Kaliningrad 2/18 0236 EE service, questions about holiday making in the USSR, xint // 1494. (Vernon)
1152 SCOTLAND R. Clyde Glasgow 3/20 0519 male Scots accent, mentioned Isaac Newton died today in 1727 and other good things, xint sig. (Vernon)
1198 WEST GERMANY UDA Munich 2/18 0238 male w/RR talk, good signal. (Vernon)
1206 CHINA Yunnan listed, 4/14 R. Beijing foreign service in Hindi, mentioned a Moscow congress, also Bangladesh. Good. (Wood)
1206t FRANCE 3/23 0611 female operatic vocal. (Connelly)
1223 AUSTRALIA Sydney 2WS 4/2 1602 time check "it's 2:02 on 2WS", Roger Whitaker song. Temperature there was 17 degrees Centigrade. In clear. (Wood)
1269 WEST GERMANY DLF Neumunster 2/18 0228 "Hang on Snoopy" mx, xint, // 756, 1539. (Vernon)
1305 ENGLAND unid 3/20 0558 male EE news, trouble at a local gas company, then went into International type stories, maybe an Irish pirate, sent a tape to Gwent (with tongue in cheek). (Vernon)
1310 CUBA La Fe, Isla de la Juventud CHOL 4/9 full local ID "Mantagassa en sintonia con Radio Caribe, con la musica de la Isla de la Juventud". Totally local programming; may be one of the few Cubans with AN local pgming. Heard before and after KFY-CA 1310 s/off 0800. (Wood)
1314 NORWAY Kvitsøy 3/26 0510-0525 smashing signal with Norwegian talk, MoR female vocal, better than adjacent domestics at times. (Connelly)
1314 SPAIN 3/24 0411 pop mx and SS talk to fair peaks o/fast SAH. (Connelly)
1332 ENGLAND Hereward Radio, Peterborough 3/20 0556 full data s/on, all freq, 1332/1557, VHF stereo 95.7, 102.8 on air 6 AM to 1 AM, but sounded like Radio Serton or something here, only sign-on noted, poor signal, very brief, new here. (Vernon)
1350 AUSTRALIA 2LF Young 3/22 1004 net nx, 1004 weather watch for central-west then race results, good signal at times to 1128. (Vernon) Typical Aussies, they are having a weather watch and still talking about the

1350 USSR Latvian SSR Cesvaline 2/18 0300 Kremlin Bells, USSR anthem, start of Program One from Moscow. (Vernon)
1368 AUSTRALIA 2GN Goulburn 3/22 0946 many commercials, anncts by female anncr, one for a rugby carnival, good signal briefly, new here. (Vernon)
1368 ENGLAND BBC unid 3/20 0602 BBC news, female anncr, // 982 Radio Two. (Vernon)
1404 AUSTRALIA 2PK Parkes 3/22 1035 male anncr w/album giveaway, races were running 3 minutes late, good signal at times, 1018 to 1117, new here. (Vernon)
1404 GUINEA Kipe 3/11 0637 weird mx, 0639 male talking to female, 0643 flutes, some kind of African pgm to 0657, male FF talk, 0657 familiar tune, type of guitar and harp mx, then male w/FF talk, kind of commentary, no pips 0700. Talk till 0704:45, brief mx then more FF talk. Local-like carrier, was +20 dB, only the Czech-1521 has been noted here w/stronger signal. Unfortunately, audio seemed to be low, was a little louder when FF anncr appeared. Not heard this stn here in years!!! (Vernon)
1413 OMAN BBC Masirah Island 3/11 1430 BBC type pips then male and female anncrs, unid lang, was EE before 1430. Poor sig. (Vernon)
1422 AUSTRALIA 3XY Melbourne 3/22 1000 runs a \$1000 contest promo on the hour, good signal at times, 0950 to 1120 with rr mx, no races!!!, few spots also. Another newie. (Vernon) Must have been a hurricane at the race track-Chuck
1431 UNID 2/15 1621 seemed to be two CC stns, one w/female singer, another w/male and female singers, both weak. (Vernon)
1440 MEXICO XEVSO per my OSL lette was using 1000 watts at time of my reception (see 52/25, 4/15 p. 31). Can not currently reduce to 150 Watts. (Wood)
1449 USSR unid 3/3 1309 RR play w/sound effects, male and female cast, traffic effects, good through 1343. Big carrier, no audio on 1485, Svalbard? Station may be in high Arctic somewhere. (Vernon)
1450 AUSTRALIA 5MU Murray Bridge 3/22 1124 male w/8:54 TC and ID between rr mx. This is for quite a while also with few anncts and no races noted. New here. (Vernon)
1450 1LF Jr 2/15 1559 weak, only Mayak IS detected. (Vernon)
1467t CHINA Fuzhou PBS 2/15 1601 band mx then male anncr w/CC talk, 1604 1 KHz TT, CRM from KK etc. (Vernon)
1476 AUSTRIA ORF Wien/Bisamberg 3/4 instrumental mx, female GG anncr, 0200 double gong sound and female w/talk-believe mx. Xint. (Vernon)
1481 UNITED ARAB EMIRATES Dubai 4/15 1545 AA vocals; unusually, louder than Saudi-1440 today. (Wood)
1512 CHINA many listed, 4/15 usual time signal of five low and one high tones, all fairly long, and CPBS CC ID 1600. (Wood)
1521 CZECHOSLOVAKIA Kosice 3/4 0216 uptempo band mx, xint, blocking a chance of Saudi Arabia as usual, hi. (Vernon)
1521 SPAIN SER Oviedo etc. 3/11 0631 two males w/rapid talk, probably mx, xint // 1260 poor. (Vernon)
1530 VATICAN CITY 3/24 0452 apparent GG talk and religious mx-poor to fair w/WCKY phased. (Connelly)
1539 UNID (West Germany or Spain) 3/24 0457 men's glee club or barbershop quartet type mx, in bad WPTF slop. (Connelly)
1548 SRI LANKA Trincomalee, Deutsche Welle relay 4/2 EE nx, gave city before each item, British accents 1610; 1618 into "Panorama", 40-minute "news, views and reports". ID as "Asian Service of Voice of Germany". Good to very good, some KISA-1540 splash. Country #70, is 600 kW and new. Reported. This will give U.S. DXers their best chance for a south Asian station, the closest a U.S. DXer is likely to log to his antipode. The antipodes of most of the U.S. are in the Indian Ocean, where there are few high-powered MW stations. (Wood)
1575 PORTUGAL Porto-Canidelo 3/24 0500 PP talk and US hits to good readability on peaks despite CKLM slop. (Connelly)
1575 THAILAND UDA Ban Pachi 2/15 1530 brief Yankee Doodle tune, male w/EE talk "news from the Voice of America", top story about Cambodia, fair to poor signal, noted 0517 w/Supremes song then female anncr, is listed w/Lao lang. (Vernon) 3/9 1506 male w/EE talk, still talking 1508 but poor by then. (Vernon)
1584 SPAIN 3/23 0621 SS talk, fading w/onset of daylight at transmitter site. (Connelly)
1593 NEW ZEALAND R. Pacific-Auckland 4/7 female with news, 1203 promo for "news around the world", 7 to 8 AM, 1204 weather. Local-like signal, amazing. (Vernon)
1593 WEST GERMANY Langenberg WDR 4/2 0455 7-note interval signal repeated

three times, 00 time check (now UTC plus 2 as most of Europe is now on DST), public service messages, 0459 IS again, 0500 ID, 00 nx. Quite good. It's nice to note Europe still audible in April. I wonder if it will stay all summer. (Wood)

1620 UNID 4/7 1108 BBC comedy, sounded like "Dad's Army", fair briefly. (Vernon)
1629 UNID 4/7 1205 male with news story about home rule for New Caledonia etc. Poor. (Vernon)

And a note from Wood about the unid mentioned in IDXD several issues ago...

710 PUERTO RICO WKJB Mayaguez R. Reloj. This is Paul Ormandy's unid, as I suggested to him and he has subsequently ascertained. (Wood)

Verifies de Wood.....

780 ALASKA KNOM full detail QSL on postcard of Nome signed by Tom Busch, GM. He seems to know my location, as he compared the wild pigs who live around my Beverages with his grizzlies. Polar bears are to the north of Nome. Says he gets few HI reports but many NZ. Enclosed flyers on KNOM and Nome. Is a Catholic station.

1328v GUATEMALA TGMUA, Union Radio, Guatemala, letter in EE, full detail QSL card (but specified nominal 1330 rather than actually heard 1328v), full sked (in SS and erroneous EE) and calendar showing Jesus Christ, from Bany R. Barillas, Depto. Tecnico. (Wood)

1410 MEXICO Los Mochis Sinaloa XECF "Canal 14-10" probably the most delightful verie of my entire DX career, extremely specific verie statement, and 2 pages of information. Javier Perez Robles, Gerente has an encyclopedic knowledge of Hawaii, referring to Pearl Harbor, Asian immigration, Michener's novel, sugar production, etc. Enclosed maps, pages from a Mexican broadcasting guide and station sked. Seems to be a well-run station.

1440 MEXICO XEVSD La Senal del Progreso, partial data letter from Federico Risstra Castro, Gerente General; alas for my hopes for a QRP catc, but just as I suspected, it was operating with day power of 1000 watts since "due to equipment failure we can not drop to 150 watts".

1580 MEXICO La Grande de Sonora (La Voz del Pacifico), Hermosillo XEDM, 2 page partial data letter, sticker and photograph of station. Two towers are visible; one shorter, self-supporting, one taller, guyed, in the desert. From Lai. (don't know what that stands for; a guess is Licensiado en artes industriales, a graduate in industrial arts) Guillermo Medina P., Gerente del Interior.

Dominican updates from the returned-to-life Richard Clark:

600 HI.. R. Studio	Santo Domingo	new
770 HIMD R. Agulla		ex R. Popular
860 HILR R. Clarin	Santiago	inactive
870 HIVG R. La Vega	La Vega	ex 910
910 HI.. R. 91	Bonao	new
1250 HI.. R. Punto	San Francisco	new
1270 HIVD R. Janico	Janico	inactive
1530 HI..	Santiago	3 years open carrier only!

Mark Connelly-Billerica, MA
Marc DeLorenzo-Holliston, MA
Brian Vernon-Elsa, Yukon Terr.
Richard Wood-Hilo, HI

HO120A, 2 phased 37 m. LW's
HO100, phased LW's
FRG7000, R7A, 3 Beverages
R71A, 3 Beverages

INTERNATIONAL DX DIGEST

Chuck Hutton, 437 Hardendorf Ave., Atlanta, GA 30307 (404) 378-8215

Times are GMT

For ELT subtract 4 hours.

Deadline: Monday

164 UNID 2/24 1432 male, unid lingo, did not know of move by Mongolia, was verified when on 227. (Vernon)
182 USSR Petropavlovsk-Kamchatskiy 2/24 1433 male w/RR talk, poor. (Vernon)
531 ALGERIA Ain Beida 0228 4/20 AA mx and vocals, poor. (Hakiel)
540 NICARAGUA R. Corporacion HTA540 6/3 1045 ID "Ud. escucha Radio Corporacion" and folksy show on agriculture, planting seeds; booming. Low frequencies have been great lately, including Soviets on LW. (Wood)
540 PANAMA David R. Mia HDU23 6/3 1048 ID "Radio Mia" and current U.S. songs sung in EE; 1110 again "Radio Mia"; mostly under HTA540. (Wood)
560 ARGENTINA San Juan LVI R. Colon 6/10 1105 full ID, wake-up show, noisy, sounding more like a steamy Colombian than a generally "dignified" Argentina. But full ID w/calls and promo for day claiming sovereignty over the Falklands, South Atlantic Islands and Argentine Antarctica. Tropical mx. This is in western Argentina, the Andes--note the late fadeout time. (Wood)
567 IRELAND Tullamore 0105 3/30 EE talk, poor. (Hakiel)
570 CHILE Santiago R. Agricultura 6/3 1038 commercials for Santiago, anti-gallstone pills, Japanese refrigerators; ID's as Radio Agricultura, stock market report. Good, some KLAC. (Wood)
580 BRAZIL Rio de Janeiro R. Relogio Federal ZYJ465-5/27 0523 time tones, PP time checks by female, news. Dominant, another possible ZY behind. (Wood)
580 MEXICO Piedras Negras, Coahuila, Radio Variedades, La Rancherita del Aire XEMU 6/15 0600 Mexican national anthem, 0604 ID in American EE, "You are listening to station XEMU, P.O. Box 196, Eagle Pass, Texas". Into SS, similar ID but gave Piedras Negras address, name La Rancherita del Aire; into rancheras. Dominant. (Wood)
585 SPAIN Madrid 0225 4/20 U.S. pop mx, SS talk by man and woman, good. (Hakiel)
600 BRAZIL Porto Alegre R. Gaucha ZYK278 5.27 0518 lengthy discussion of the situation of the Brazilian watchmaking industry, 0528 took phone calls. A kind of Brazilian Larry King show. Dominant. (Wood)
600 COLOMBIA Barranquilla HJHJ 5.19 0536 Barranquilla mentions, accordion mx, SS vocals. (Connelly)
610 COLOMBIA Bogota R. Tequendama, HJKL 0530 ID for Bogota and "la radio de Colombia" but no mention of Tequendama (a famous hotel in Bogota, probable studio location. Good. (Wood)
610 TRINIDAD Port of Spain NBS 5/10 1015 nx in Caribbean-accented EE, country #74 but not enough for a report. Weak, mixed w/an unid LA. (Wood)
620 NICARAGUA La Voz de Nicaragua HTA620 5/27 0530 hummy interview w/educator. My local KIPRA-620 was off air 0500-0730. New, Nicaragua #3. (Wood)
645 PARAGUAY Coronel Oviedo, Radio Caaguazu ZP19 6/6 0948 time check in SS, Paraguayan harp, romantic mx, fair, not enough for a report, Parahuay #2. (Wood)
657t NEW ZEALAND ZYC Wellington 3/2 1047 probable stn w/classical mx, fair signal. (Vernon)
660 CHILE R. Chilena CB66 6/10 1020 pleasant instrumentals, promo for upcoming nx, 1029 ID "CB66 Radio Chilena", striking electronic IS, 1030 into serious, detailed news. Booming, in the clear. (Wood)
660 ECUADOR Guayaquil R. Carrousel HCLG62 5/27 0530 ID "Siempre en compania de Radio Carrousel" o/u XERDM. (Wood)
660 PERU Lima R. Omega, DCX4R 4/23 0525 ID as Radio Omega between each mx selection, EST time checks; o/u XERPM and Cuba. (Wood)
666 LITHUANIAN SSR Vilnius 2/16 0212 male and female anncrs, alternating with talk, probably RR nx, program one. (Vernon)
670 COSTA RICA San Jose R. Monumental, TITNT 5/27 0816 PSA from Coffee Institute on weeding fields. I have heard this same PSA over Radio Costa Rica-930. Colgate toothpaste ads, detailed news of strike in Honduras (HRN Honduras was off by then). O/u Cuba, good. (Wood)
670 VENEZUELA Caracas YVLL 5/19 0351 doorbells, Rumbos ID o/u Cuban pest. 6/8 0402 Rumbos doorbells. (Connelly)
675 UNID 5/19 0352 het-who is this? (Connelly) I don't know who's here now--nobody seems to report anything and I can't check what with having a

12 local on 680-Chuck
 675 NEW ZEALAND 3YA Christchurch 3/2 1049 female singer // 810, 819.
 (Vernon)
 679.5 BRAZIL Porto Alegre R. Sociedade Farroupilha ZYK205 6/5 0505 "bom dia" greetings to different places in Brazil, ID, "I Believe" song. Very good, separable from 680. (Wood)
 684 SPAIN RNE Sevilla 2/18 male SS talk // 855. (Vernon) 0312 4/20 pop mx, SS vocals and SS talk, good. (Hakiel)
 693 AZORES Teleira 2325 3/24 PP talk by man, fanfare, poor-fair. (Hakiel)
 693 ENGLAND BBC Droitwich 2/16 male anncr mentioning what was on Night Ride. (Vernon)
 700 GREENLAND Simiuttaq 2/18 0200 male w/Greenlandic talk // 810 so still here not 720. (Vernon)
 700 JAMAICA Montego Bay 5/19 0415 good w/reggae show; WLW phased. (Connelly)
 710 ARGENTINA Buenos Aires R. Municipal de la Ciudad de Buenos Aires LS: 6/3 1020 serious, detailed nx, item on flood evacuation, 1022 ID, time check, temperatures. Very good, dominant. (Wood)
 711 FRANCE Rennes 2/25 0431 male FF talk // 864. (Vernon)
 711 LIBYA Jefren etc. 2/18 0158 male anncr // 1251. (Vernon)
 715.5 ECUADOR Portoviejo, La Voz de Portoviejo HCGB4 5/3 1012 news for farmers, PSA's on planting, ads, ID's. Good. (Wood)
 720 COLOMBIA Barranquilla HJAN 5/19 0413 Emisoras Unidas ID, local SS ads using various announcers. (Connelly)
 720 PANAMA Chitre R. Republica HOB50 5/3 1030 repetitive commercials for clothing store in Chitre, time checks, mx; o/u other Latin. Good. (Wood)
 720 UNID 2/18 0344 male and female w/a male via phone, bit of Ukrainian type dance mx, 0348 ballad, poor signal, lingo not quite readable. (Vernon)
 730 COSTA RICA San Jose R. Reloj de Costa Rica TIHB 5/27 0500 announcing now in 24 hour operation, deep-voiced announcer, time checks including seconds, many full ID's, news of funerals; o/u O BX4G, some XEX. (Wood)
 730 PERU Lima R. Programmas del Peru O BX4G 5/27 0458 EST time check, spot for airline, many ID's as R Radio Programmas or Radio Programmas del Peru. 0459 complete list of affiliated stns with freqs in "kilociclos", including Radio Pucalipa 1250, Radio Chimbote, Chimbote, La Voz de la Frontera and stns in Cuzco and Cajamarca. XEX quite weak o/u TIHB. Good, new. (Wood)
 738 SPAIN Barcelona 0245 3/18 SS talk by man, fair. (Hakiel)
 740 BRAZIL Salvador R. Sociedade da Bahia ZYH446 5/27 0700 ID simply as "Sociedade", folk mx, sambas, 0702 into DJ wake-up show, full ID as "a sua Radio Sociedade da Bahia". Alone on freq, good. (Wood)
 747 NAMIBIA Gobabis R. Herero 3/11 0420 again, African choir, 0421 into light western mx, SW 3270 which was observed in // at my first reception, was apparently not on the air; other Namibia SW's then were not //. Quite good signal but still not enough details for a report. (Wood) 5/14 0412 at armchair level w/Herero, religious organ mx. This is now a regular and I'll report it in the future only if my reception is in some way unusual. (Wood)
 756 NEW ZEALAND 1YA Auckland 2/17 1515 Bert Kemfert type mx, // 810. (Vernon)
 756 WEST GERMANY DLF Braunschweig 2/18 0158 classical mx // 1269, xint sig. (Vernon)
 760 CUBA 5/19 0410 Radio Reloj pgm totally dominant-rumble of other stns barely noted in the background. (Connelly)
 765 SENEGAL Dkaar 2322 4/15 vernacular talk by man, xint. (Hakiel)
 765 USSR Medvezhyegorsk 2/18 0301 USSR anthem, noted also on 801 and 1107. (Vernon)
 770 URUGUAY R. Oriental CX12 3/11 booming signal on a vintage South American night which for once did not favor Brazil. Phone interview w/the commentator of a game in which Uruguay beat Ecuador, flashback recordings of goal during it. Time checks and SS rock. In clear, occasional traces of KOB 0423-0450. (Wood) 5/27 0455 spot for "Musicalisima en Paysandu"; booming. (Wood)
 774 SPAIN synchros 0441 4/12 SS talk by woman, good. (Hakiel) 2/18 0157 female anncr w/male via phone, xint sig // 855. (Vernon)
 780 COLOMBIA Cali HJZG 5/19 0407 loud w/Radio Sonorama ID, then MoR SS mx. (Connelly)
 783 EAST GERMANY SDD Burg 2/17 0212 Elizabethan Serenada // 1359, great mx. (Vernon)
 783 PORTUGAL Miramar 2333 3/17 US pop tunes, PP talk, good. (Hakiel)
 792t AUSTRALIA 40G Brisbane 3/2 1049 probably the stn w/operatic type mx, good signal. (Vernon)
 800 BRAZIL Rio de Janeiro R. MEC ZYJ457 5/15 0500 s/off after vocal national

anthem, Level PJB. (Wood) 6/10 0900 national anthem, 0904 female ID, full sign-on text, list calls and frequencies of all transmitters including many SW. 0907 into pleasant mx. Almost in the clear, trace of XEROK or PJB. (Wood)
 800 NETHERLANDS ANTILLES PJB Bonaire 3/4 0610 Greg Shawn again, mentioning reception report from Ralf Pike in Arizona, mentioned reception reporters would receive a TWR sked and 1985 calendar (while they last). Did someone say this was rare here-hi. Fair o/u KINY. (Vernon)
 801 USSR unknown far east location 3/11 0850. Ulan Ude, the farthest east listed, seems a little too far west for the time. Political speech in RR. Ulan Ude is listed as carrying external service. (Wood)
 801 WEST GERMANY BR Munchen 2/18 0226 rr mx "Kisses For Me" // 1593 ARD program. (Vernon)
 810 NEW ZEALAND 4YA Dunedin 3/2 1050 female singer // 875, 819, topping KGO. (Vernon)
 810 USSR Vladivostok 5/9 1540 w/Moscow CC service, ID. Good. (Wood)
 815 ECUADOR R. Atalaya HCVT2 5/12 0430 ID, Ecuadorian mx; at 500 watts this one remains too weak to get a decent report on. Appears to run after 0500. (Wood)
 819 NEW ZEALAND 1YZ Rotorua 2/24 1426 BBC "My Music" quiz show, good signal w/het. (Vernon)
 820 ARGENTINA Tres Arroyos, Radio Tres Arroyos LU24 6/15 0955 guitar mx, public service annts, serious programming, 1000 ID "LUZ Radio Tres Arroyos"; news of coast south of Buenos Aires; into religious meditation. Good. WBAP fairly weak. (Wood)
 827 LIBYA Sabha 0403 4/17 AA mx and talk by man, good. (Hakiel)
 828 MOROCCO Oujda 0404 4/12 AA singing and talk, poor. (Hakiel)
 837 FRANCE Nancy 2/25 0439 male w/FF talk, poor. (Vernon)
 840 CHILE Valparaiso R. Portales C884 5/17 1126 time check "la hora en Portales", tire store ads, nx. Clear, WHAS probably still on reduced power or makeshift antenna. (Wood)
 845 ECUADOR Ambato Radio Ambato HCBAB 6/6 network mx from El Espectador newspaper, time checks, 1044 ID; good. (Wood)
 846 ITALY Rome 0207 3/19 dinner mx, II talk, fair-good. (Hakiel)
 850 TAIWAN Linkou CBS 4/28 1535 CC news items repeated twice, dictation style but at normal speed; intended for Chinese mainland. Quite good. (Wood)
 854 PERU Lima OAX4A 0441 4/22 man and woman in operatic aria, good. (Hakiel) 3/11 1005 news by two alternating male announcers. Heterodyne against unid on 855. (Wood) 6/3 1005 listing station personnel at station, serious news, talking SS but songs in Quechua; good nightly. (Wood)
 855 SPAIN Murcia 2356 4/15 R&R, SS talk by man and woman, good. (Hakiel)
 864 FRANCE Paris 2/25 0431 male w/FF talk, xint sig. (Vernon)
 x o/u 870 ARGENTINA Buenos Aires R. Nacional LRA1 5/11 0530 semi-classical m KAIM, no WWL tonight; // 6060 good. This seems to be most people's first Argentine but is my fourth. (Wood)
 870 ECUADOR R. Cristal HCDY2 5/27 0901 s/on, symphonic national anthem, 0904 ID "la radio musical, Radio Cristal", promos, into coastal Ecuadorian mx, o/u KAIM. (Wood)
 880 GUATEMALA Guatemala R. Nuevo Mundo TGJ 4/31 0435 serious talk on education, ID as Nuevo Mundo. Quite good, but this one seems to lack its former punch. (Wood)
 882 ENGLAND BBC Washford 3/4 0302 nx, 0302 SID for BBC Radio Two, Gloria Huneford, xint sig // 909. (Vernon)
 890 COLOMBIA Bogota HJCE 5/19 0430 SS shouting, La Voz de Bogota ID and other Bogota mentions. (Connelly)
 891 ALGERIA Algiers 6/8 0254 AA meaning, poor to fair. (Connelly) 2348 3/13 AA mx and talk. (Hakiel)
 891 AUSTRALIA Townsville 4AY 4/22 1520 ad for disco diner, promo for Billabong Century. Gave address as 4AY, Box 1080. Townsville. Current international hits. Slogan "better mx, 4AY". O/u Thai and Japan. (Wood)
 900 BRAZIL Rio de Janeiro R. Tamoio 5/14 0800 full ID as ZYJ454 Radio Tamoio and seeming mention of FM affiliate. Lively morning show w/sambas, time checks. Pleased to get this one, Brazil #17 with KNU1 and XEW also here. (Wood)
 900 ITALY RAI Milan 2/18 0209 rr instrumental mx // 846, good sig, rare here. (Vernon)
 920 PARAGUAY Asuncion ZP1 6/11 1000 NA, 1003 ID, sign-on "en el aire, La Voz de la Patria". Booming, totally clear signal, best yet from Paraguay. Heard almost nightly now. (Wood)
 925 GUATEMALA San Pedro Caretta 0306 4/2 with news by man and woman, many time checks. (Hakiel)
 930 COSTA RICA San Jose R. Costa Rica TI?? 5/17 PSA's for farmers, 1120

14 tropical mx, many ID's as Radio Costa Rica. This is the new VOA transmitter, at this time used by the new national Radio Costa Rica; delete the 930 listing in WRTH 1985. Address? (Wood)

930 MEXICO Veracruz La U de Veracruz XEU 5/17 Peosi jingle, PSA's to urge young Mexicans to choose shipbuilding as a career. O/u KHJ. My 12th Mexican estadio from HI. (Wood)

930 PERU Lima R. Moderna OAX4E 3/7 0420-0440 "toda los exitos..atraves de Radio Moderna". Peruvian pops. O/u KHJ. (Wood)

963 INTERNATIONAL WATERS R. Caroline 2/16 rr mx, 0300 two bells, ID as Caroline International, live from North Sea etc., only 963 mentioned. (Vernon) 0528 3/30 rr mx, EE talk by woman, poor. (Hakiel)

963 INTERNATIONAL WATERS R. Mollee? 2/25 rr mx, seemed DD, 0429 SID then female singer, poor signal. 3/4 seemed to s/on with BBC type pops, 0400 male mentioned Radio Mollee? International in DD, FF and EE, 963 KHz, 319 meters and times of 5 AM to 7 PM CET then mentioned transmission would be in Dutch, than another SID in FF. Mostly, rr mx from 60's and 70's followed. Would assume that Caroline is now on 576 KHz full time, then is simulcast on 963 KHz after 7 PM CET, but this is an assumption of course. Have ID on tape. (Vernon)

970 ARGENTINA Cordoba, R. General Paz LV2 6/15 0900 numerous IDs, e.g. "por su estacion de la republica Argentina, LV2 Radio General Paz"; poetry, accordion mx, time checks. Local KPUA now goes off at 0900. Good, some XEJ. (Wood)

970 MEXICO Ciudad Juarez R. Mexicana XEJ 5/15 0915 ID "esta es XEJ, 10,000 watts desde Ciudad Juarez, Chihuahua"; "XEJ La Mexicana" or "XEJ Radio Mexicana". Rancheras, PSAs. Good. (Wood)

972 WEST GERMANY NRD Hamburg 2/18 0153 "Like a Virgin" rr mx, xint sig, // 1017 ARD pgm. (Vernon)

990 MEXICO Mexicali R. Mexicali XECL 6/11 0450 current Latin hit "Corazon", 0453 ID "XECL con 5000 watts", local ads. ID again 0500. O/u XET Monterrey. New here. (Wood)

999 INDONESIA Jakarta R. Republik Indonesia 6/5 1415 call to prayer, 1500 Indonesian ID, news, 1515 Indonesian pop mx, good and separable from 1000. (Wood)

1008***MOZAMBIQUE Maputo R. Mozambique 6/6 0445 light instrumental mx, songs in PP, man in PP, pop mx and Afro drums, 0500 time check for "7 horas", familiar interval signal of 4 light notes, ID "Fala Radio Mocambique", PP talk, Afro choir. Fair to quite good. My first east African, from the Indian Ocean coast--the only part of the world I had not heard. Since I don't have exact distances, not sure whether this or Namibia-747 is the more distant, but approximately 12,000 miles in both cases, and 12 time zones. Another example of the antipodean effect. At present NZers are enjoying top reception from their antipodes Portugal and Spain. (Wood) And often enough via differing paths at sunset and sunrise-Chuck

1010 ECUADOR Santa Rosa R. Canal Estelar HCBD3 6/2 1258 mentions of Santa Rosa, ad for all-night store, ID "estan escuchando a Santa Rosa", Ecuadorian mx. Beware, Radio America, Lima usually dominant here makes frequent mentions of Santa Rosa, a prestigious section of Lima. (Wood)

1010 ECUADOR R. Cenit HCRC4 6/2 1254 news of Depto. de Manabi, 1302 rooster crow, ID for Manitas o/u HCBD3. (Wood)

1010 MEXICO Guadalajara La Poderosa Estereo XEHL 5/3 0755 ID "esta es HL, la Poderosa Estereo". Pop/rock, 0800 into very comprehensive, well presented newscast. Can anyone provide a full list of Mexican AM stereo stns and state which system(s) are in use? Over usually dominant XEDX Ensenada. (Wood)

1010 VIETNAM Hanoi Foreign service 4/22 1530 IS, national anthem, Cantonese ID, Viet melody, into Cantonese mx; separable from NZ and Japan-1008. Country #72, my most-wanted country. (Wood)

1017 AUSTRALIA Paramatta NSW 2KY 4/22 1525 ID "This is 2KY, Tuesday morning". Was just Monday morning here. Good, in the clear. (Wood)

1018 PHILIPPINES Iloilo City DYRP 6/5 1440 two men in political discussion in a Filipino language with many SS-derived words, e.g. "Regimen Presidente Marcos" and phrases and whole sentences in EE. 1500 EE ID "Radio Station DYRP" twice. Good. My first Filipino commercial stn here and only #2 after VOA. Nominal 1017 and WRTH 1985 states variable. Reported to Manila address--WRTH does not give local address for such regional stations. Or should I try Iloilo City anyway? (Wood) Ask "Mister Philippines" Charlie Taylor-Chuck

1020***BOLIVIA La Paz, Radio Illimani CP4 6/6 0440 Bolivian songs in SS and Aymara, many IDs, quite good, at times level or atop KTNQ which at sunset skip has not risen to full strength. Noted again 6/7. Bolivia #2. (Wood)

1030 ARGENTINA Buenos Aires R. del Plata LS10 6/3 0950 serious newscast

typical of Argentina, lots on politics, sports, restoration of democracy; chilly temperature and cloudy, floods in area. Dominant. Quite often grd now, many tangos. (Wood)

1035 PORTUGAL Lisbon 0124 3/31 pop mx, PP talk, good. (Hakiel)

1040 PERU Lima R. Onda Popular DBX4D 6/2 1330 "un caluroso buen dia" ID, time checks, romantic mx. Now quite often heard, sometimes w/political talk. (Wood)

1044 MORDCCD Sebaa Aicoun 0323 4/16 AA chants and talk, fair. (Hakiel)

1050 BRAZIL Vitoria de Conquista R. Clube Vitoria ZYH460 6/10 0846 time check for Bahia, local ads, frequent time checks, ID 0900. (Wood)

1060 BRAZIL Pedro Leopoldo MG, Radio Grandes Belo Horizonte ZYL278 6/10 0836 building materials store ad, mentions of Pedro Leopoldo, time checks, lively wake-up show. Mixed with ZYH460. (Wood)

1060 CHILE Santiago R. Mineria CB106 0958 sign-on, full ID, list studio addresses, affiliates. Dominant. (Wood)

1062 PORTUGAL San Salvador 0540 3/30 PP talk by man, fair. (Hakiel)

1095 UNID Latin 0330 4/22, SS talk with weak signal, on tape. Bolivia? (Hakiel) Beats me-Chuck

1098 INDONESIA unid location, Radio Republik Indonesia 6/5 1440 II Islamic talk, 1444 and talk w/Muslim blessings, 1445 ID "Inilah RRI", into Indo pops. Two are listed: Jambi and Sumenep. Good. (Wood)

1116 USSR unid far east 3/3 0915 RR, classical violin duet. Bearing suggests the Vladivostok/Khabarovsk area rather than further north or west. (Wood)

1134 INDONESIA Banjarmasin RRI 5/5 1445 beautiful local ID "Dari RRI Banjarmasin", list of upcoming programs. O/u JGRR. (Wood)

1134 JAPAN Tokyo JDDR 4/28 1535 advanced EE lesson, teaching words like "scenery" and "gratitude". Lengthy JJ explanations. (Wood)

1140 CHILE Santiago Emisora Metropolitana de R. Nacional, CB114 5/14 0405 "a partir de Cero" show running AN, lively mx; dominant. (Wood)

1145.5 ECUADOR Guayaquil R. Condor HCFS2 5/10 0440 solid copy w/time checks using 12 and 24 hour systems, many ID's, off with "El Condor Pasa" and NA 0503. Announced as "1140 kilociclos" which is what WRTH-1985 also lists. Very pleasant listening, my first Guayaquil. (Wood)

1150 ARGENTINA Santa Fe R. Brigadier General Estanislao Lopez LT9 6/17 0910 rising over LRA26, local temperature for Santa Fe, continuing "Madrugando" show which had been on since 0700 s/on, mixed news and mx. Good. (Wood)

1150 ARGENTINA Resistencia, Radio Nacional LRA26 6/17 0900 national anthem, sign-on, complete listing of LRA stations in numerical call order, list "today in history", good, mixed with LT9. (Wood)

1152 ROMANIA Cluj 0442 3/5 soft mx; Romanian talk, poor. (Hakiel)

1160 PERU Lima, Once Sesenta OAX4C 5/8 0701 s/off after full ID using "1160 kilociclos, onda larga, A.M.". No anthem. Dominant. (Wood)

1180 BRAZIL Rio de Janeiro R. Eldorado ZYJ463 5/14 0345 ID, FF chansons, dominant. (Wood) 4/25 US soft rock in EE, IDs as "Eldorado Musica", news of funeral of President Elect T. NEVES. Brazil #16 here. Years ago, Radio Globo, Rio used to be on 1180 and R. Mayrink Veiga, the first Brazilian I ever heard, was on 1220. But Mayrink Veiga criticized the Government and was put off the air; Globo was switched to its 1220 spot. It's good finally to hear a Rio station on 1180 again. In the clear. (Wood)

1180 CHILE CB118 Santiago, Radio Portales 3/11 1000 s/on, news, appeal for volunteers to help earthquake recovery, time checks, lottery results. This should be the best bet for Chile in most parts of the US. Also heard at 0400. (Wood)

1180 CUBA Nueva Gerona R. Reloj CMOD 4.23 0520 clock ticks, party line news. Sounds like more than 1 kw listed in WRTH 1985. Power increase to block VOA 1180? Very good. (Wood) Sounds like a kw here-Chuck

1180 VENEZUELA Maturin R. Maturin 5/12 0354 sign-off wording, 0355 "Gloria al Bravo Pueblo", off 0358. Venezuela #4, not an easy country here. (Wood) 6/6 1000 sign-on w/Venezuelan national and Monagas state anthem, 1003 into lively, folksy "Buenos dias gente" show, usual Venezuelan listing of "personal de guardia" at station. Good, and (as usual) no sign of Radio Marti here, though I note traces of a possible tone jammer. (Wood)

1185 INDONESIA Tanjung Karang RRI 5/1 1545 Indonesian talk, not enough for a report. Fair. (Wood)

1190 COLOMBIA Cartago Ondas del Valle HJEG 5/17 0520 tropical mx, cumbias, many time checks mostly as "la hora en Colombia", ID "Ondas del Valle en Cartago". Faster mx than HJCV. (Wood)

1190 COLOMBIA Bogota R. Cordillera HJCV 5/19 0513 time checks, slogans such as "Radio Cordillera depende de la comunidad", constantly urged listeners to call Radio Cordillera but did not give number. Pleasant folk type

mx o/u HJED. (Wood) 4/20 0700 ID "La musica en todos partes con Radio Cordillera". Romantic mx, some SS versions of US easy listening mx. Dominant. (Wood)

1190 MEXICO Guadalajara XEWK 5/14 0505 relay XEW, temperatures in Mexico City, good. The other well-known XEW relay, XEWA San Luis Potosi 540 appears still silent. (Wood)

1200***BOLIVIA Santa Cruz Radio Oriental CP31 3/11 0920-0952 (WDAI carrier on) with SS DJ show w/time checks in AST, Andean folk mx, one singer promo'd her coming performance, speaking in Aymara w/many SS words; gift shop ads, many IDs; flute and accordian folk mx, Indian-accented SS. Good signal at best; only ORM a Latin farther north, perhaps Colombia. Country #67; my best ever Latin catch, and most colorful programming. Now I just need the three former Guaijanas. (Wood)

1206 FRANCE Bordeaux 0536 4/12 FF talk by man, fair. (Hakiel)

1210 ARGENTINA R. Cordoba LV3 6/6 1016 typically serious Argentine mx, many mentions of President Alfonsin, 1030 said banks would be closed Monday for the national holiday claiming the Falklands, South Georgia, South Orkneys, and Argentine Antarctica. Booming, perfect copy. (Wood)

1215 ALBANIA Lushnje 0335 3/11 AA talk by man, good. (Hakiel)

1230 ARGENTINA R. Dos, LT2 5/20 0900 s/on at booming strength and clarity, full s/on wording, wavelength in meters and centimeters, gave day power as 25 kw (probably in use then) and night 5 kw. Gave address listed in WRTH; one mention of General San Martin, but only name consistently used was Radio Dos for which I have no listing. May be a name change to avoid confusion with the other General San Martin listed on 1230, unless this is an error in WRTH 1985. Into religious meditation, then lively morning DJ show, many birthday greetings. Argentina #5 and my best yet. (Wood)

1230 COLOMBIA Cali R. Calidad HJLK 5/24 0800 time checks, slogan "Radio Calidad, la emisora que piensa en Ud.;" greeting Colombians abroad. Fine folk mx. Good. (Wood)

1250 COLOMBIA Bogota R. Capital HJCA 4/23 0600 slogan "Radio Capital con la musica que a Ud. le gusta"; xint line-up of folk mx ranging from Mexican to Ecuadorian; time check between each selection; many ID's, announcing Todelar affiliation. Dominant, slight WREN. (Wood)

1251 LIBYA Tripoli 0119 3/21 AA mx and talk, good. (Hakiel)

1260 COLOMBIA Cali La Voz de Colombia HJET 4/29 0500 ID "La Voz de Colombia, 1260 KHz, con su musica". Requested listeners to send a postcard and tell them which Caracol station they listen to. Light rock mx. Dominant. (Wood)

1265 ECUADOR R. Solendit HCRV5 6/9 0440 good at sunset skip, local store ads, Ecuadorian rock, interesting style. (Wood)

1290 MEXICO Ciudad Obregon XEAP 4/23 0652 PSA for mass education, ID "Estan escuchando XEAP Ciudad Obregon", SS versions of recent US light rock. Slogan "Radio Nortena" listed in WRTH 1985 not heard, and since not playing Nortena mx, has probably been dropped. 0659 NA, 0700 trumpet fanfare and possible other anthem (state of Sonora anthem?--though I would expect it to be played before, not after the national anthem, if this was a s/off as it appeared to be). Mixed w/KGRV and others. (Wood)

1300 PERU Lima R. Atalaya OAX4M 3/7 0400-0430 phone interview w/Argentine comedian, quoted Lima newspaper, mx promo, romantic and rock mx, some in EE. (Wood)

1300 PERU Lima R. Star 5/14 0530 Manolo show, 0600 off without anthem. Many singing IDs and slogans such as "Star: que buena radio!". Show mx. Promoted astrology feature (cf. new name "Star"). Paul Ormandy of NZ has also caught this name change, ex Radio Atalaya. In the clear. (Wood)

1310 COLOMBIA Bogota R. Recuerdo, HJJZ 4/18 0800 ID "Radio Recuerdo, la emisora de Bogota". Mentioned "Caracol y Cia" but not sure whether this is Caracol network or a different company. This fairly new name is unlisted in WRTH 85. Particularly easy since the short-lived KFYI-CA went off the air. While they are silent this should be a prime DX spot for western DX'ers. (Wood)

1310 MALAYSIA Mersing R. Malaysia 5/3 1540 old-fashioned CC pop songs, IDs in a south CC dialect // SW 6025. Nominal 1314; this is the same transmitter site as my only other heard Malaysian, 1035 (nominal 1033). Heard often since. (Wood)

1310 MEXICO Guadalajara La Cotorra de Tu Radio XETIA 5/17 1200 s/on, NA, mx, into lively show of humorous, bawdy songs. "La Cotorra" means "the magpie", i.e. "chatterbox". (Wood)

1314 NORWAY Kvitsoy 0004 3/18 EE talk by man and woman, xint. (Hakiel)

1320 BRAZIL Curitiba R. Globo ZYJ225 6/6 0934 time check "6, 34 minutos em Curitiba", local and national mx, 1000 ID "Em Curitiba, Radio Globo". One of three Curitiba stns logged in quick succession during a spotlights opening to southern Brazil/Paraguay. (Wood)

1320 MEXICO Mazatlan, Sinaloa La Rancherita XERJ 5/17 1218 s/on (strange time), military band anthem, singing ID "La Rancherita de Mazatlan", straight into string of ads including Muebleria Revolucion and Muebleria Guerra (I would think war would tend to destroy furniture (and a lot of other things)-Chuck) rather than build it. MST time checks. (Wood)

1332 ITALY Rome 0405 4/5 soft mx w/II vocals, talk by man, poor-fair. (Hakiel)

1340 CUBA Cienfuegos R. Ciudad del Mar CMFL 6/10 0800 full local ID, "transmitiendo desde Cienfuegos, primer territorio libre de America". Nicaragua is now considered the "segundo territorio...". Dominant. (Wood) Took over the spot from Grenada after Ronnie did his thing..Chuck

1340 MEXICO Mexicali R. Variedades, la Doble A, XEAA 6/10 0805 ID as both R. Variedades and Doble A, time checks, tropical mx; dominant. This is not among the several listed in WRTH 1985 as using Radio Variedades name on 1340. Understand this one is well heard in the western U.S. (Wood)

1340 MEXICO Los Mochis XECW 3/8 0330 atop briefly w/clear ID "XECW Radio Variedades, Los Mochis", into romantic mx but not enough for a report. Beware, there are other Radio Variedades here. (Wood)

1341 THAILAND synchronized network 5/3 1545 Thai talks // Bangkok 1467. Quite good. (Wood)

1350 ARGENTINA Buenos Aires R. Buenos Aires LS6 5/13 0500 full ID "transmite LS6, Radio Buenos Aires". Fine stn for tangos. (Wood)

1360 BRAZIL Rio de Janeiro R. Bandeirantes ZYJ464 5/27 0823 interesting show in Lusitanian PP for Portuguese residents of Rio, sponsored by airline; day's news from Portugal, sports, folk mx. First time ever heard a Brazilian in European PP. Still going @848 o/u YVTI. (Wood)

1360 CUBA Rodolfo Ramirez Esquivel, Radio Cadena Agramonte CMHW 6/3 1000 full list of stns of Cadena Agramonte. Dominant. (Wood)

1360 VENEZUELA Catatumbo International YVTI 5/27 0837 furniture store ad, time check "en Catatumbo Internacional". Mentions of Maracaibo o/u ZYJ464. (Wood)

1370 BRAZIL Curitiba, R. Independencia ZYJ267 6/6 0823 ad for local pharmacy, time checks, mx in Curitiba local style which resembles Mexican, much "ai ai ai" and yipping, guitars and accordian. Dominant. (Wood)

1370 COLOMBIA R. Mundial, HJKX 5/19 0445 o/u HCEH3, romantic mx, including tangos and Mexican; IDs included "Feliz viaje con Radio Mundial" and "Radio Mundial esta en todos partes". (Only BKF is everywhere...Chuck) 0502 NA, 0504 s/off. WRTH lists 24 hours operation. (Wood)

1370 ECUADOR Loja, R. Nacional Progreso HCEH3 5/19 0445 ID "en Radio Nacional Progreso de Loja", kids store ad, tropical mx o/u HJKX. SW // 6025 not noted. (Wood)

1379 CHILE Santiago, R. Colecocho CB138 5/27 0420 contest w/money prizes. Drifting again, previously heard on 1378 and 1380. Heterodyne against KLN1-1380. (Wood)

1386 USSR Kaliningrad 2313 3/2 RR talk by woman, fair. (Hakiel)

1390 BRAZIL unid 6/6 0938 PP talking, mentioned Parana (none listed in this state but it was dominant at the time). Which is usually heard here? (Wood) WCSC since you asked, hi-Chuck

1395 ALBANIA Lushnje 2314 3/26 woman in SS talk, good. (Hakiel)

1400 MEXICO Culiacan XEEX 3/8 0300 Nortena mx, many IDs for Radio Felicidad and XEEX, time checks in MST, alone and clear with KRE nulled by using most southerly Beverage. (Wood)

1404 WESTERN SAMOA Afiamalu 4/28 0545 soft piano mx, 0600 no local ID, just straight into Radio Australia news relay, sounded off-air. Good all evening. In January, Pete Taylor reported this one had reduced power to 1 kw. Strength tonight suggests either a return to 10 kw or maybe just good southern hemisphere conditions. (Wood)

1413 YUGOSLAVIA Pristina 0300 5/6 s/on w/NA, Slavic talk, fair. (Hakiel)

1420 MEXICO Tijuana La Doble Equis XEXX 0415 Budweiser commercial, when on this stn I would have expected one for Dos Equis (XX). However, Bud was on the baseball net it was carrying. Commentary from LA stadium. Local ads for "Metales B.C." and "Tequila Blanca". No sign of KCCN, some KSTN. (Wood)

1425 ECUADOR Loja, Canal Juvenil HCCV3 6/10 0420 straight US rock, rare SS anrcts, s/off w/anthem @456, carrier always stays on all night. (Wood)

1430 BRAZIL Curitiba R. Clube Paranaense ZYJ200 6/6 0850 Parana style regional mx, time check, 0853 into transcribed Catholic show. (Wood)

1449 INDIA Kanpur 5/9 1548 sitar instrumentals, 1553 Hindi talk, quite good, 1 kw. Only India audible that morning. (Wood) How incredible that a little 1 kw fellow makes it when the megawatts do not-Chuck

1450 MEXICO San Luis Rio Colorado R. Rancherita XECB 6/18 0500 many IDs as Radio Rancherita, mentions San Luis R.C., rancheras, dominant. (Wood)

1450 VENEZUELA Catia la Mar, Radiolandia YVJJ 6/10 0900 sign-on, NA, choral

version, ID "Radio Landia, Canal Marino", serves Caracas. Dominant. (Wood)

1458 ALBANIA Lushnje 2357 3/26 Internationale then abrupt s/off, fair. (Hakiel) 3/11 0425 Greek mx // SW 6200. Good. Have heard this one about eight times now. (Wood)

1460 COLOMBIA Bogota R. Nuevo Continente, Bogota 6/10 0600 ID "Radio Nuevo Continente, HJW en Bogota, amplitud modulada, 1460 KHz". Have heard a SS gospel stn here and think that might be this one's format. Fair. (Wood)

1467 THAILAND Bangkok, Radio Thailand 5/3 1535 Thai interview, quite good. (Wood)

1470 QUEMOY AND MATSU Kinmen (Quemoy Island), RCC 5/7 classical CC mx, mentions of Taiwan. ARRL and some other lists count this as a separate country. These islands close to the coast of mainland China are administered from Taipei but do not constitute part of the island of Taiwan or of the (former) Chinese province of Taiwan. Status similar to Ceuta and Melilla (part of Spain but on the coast of Morocco). (Wood)

1475 EAST MALAYSIA Kota Kinabalu 6/5 1410 ending Malay mx, into choral mx; 1500 ID "Inilah Radio Malaysia", more mx, 1515 Malaysian pop mx. Good, // Mersing 1055. This was formerly used in Tagalog and other Filipino languages during the Sabah dispute w/the Philippines and is still listed as used by Voice of Malaysia (external service) in WRTH 1985, but no sked given. Has obviously been switched to domestic service now. Not on 1475, and heterodynes that. (Wood)

1475.5 ECUADOR Pasaje (El Oro), Ondas del Jubones HCBSS 5/11 0510 Andean mx, #518 political speech, live show for "amigos de Ondas del Jubones". Quite good. (Wood)

1485 SPAIN unid 0505 4/26 man and woman talking in SS, fair. (Hakiel)

1503 POLAND Stargard 0522 3/5 classical piano mx, good. (Hakiel)

1512 SAUDI ARABIA Jeddah 0251 4/14 man in AA talk, best ever heard. (Hakiel)

1521 CHINA Urumchi R. Beijing relay 5/7 1520 RR talk on Beijing, quite good,umbling jammers behind. (Wood)

1521 SAUDI ARABIA Duba 0308 4/17 AA chants, good. (Hakiel) tentative, 6/8 @100 potent het, possible AA talk noted on car rx near Cape Cod Canal. Peaking of this station just after east coast US sunset during summer months has been noted in other years; this is possibly due to a just-before-dawn propagational peaking effect at the transmitting end of the path coincident with a just-after-sunset peaking at the receiving end. (Connnelly)

1525 ECUADOR Manta R. Manta, HCEB4 5/6 0420 sports news from Radio Sucre (Guayaquil) network, 0421 back to studio, rock and tropical mx, 0430 local ID. Good. (Wood)

1548 USSR Ukraine or Moldavia 2259 3/5 s/off w/annct in EE that Radio Moscow will continue transmission on 25 and 31 meter bands. (Hakiel)

1557 FRANCE Nice 0521 3/7 AA mx, FF talk by man and woman, good. (Hakiel) 4/18 0445 FF talk by man and woman, in severe WQXR slop. (Connnelly)

1557 MALTA Cyclops 0401 4/5 AA talk by man, fair. (Hakiel)

1560 MEXICO Irapuato XEMAS 6/15 0500 sign-off wording giving full details, specified 1000 watts, ID as "XE-mas" (mas means more) (as in "no mas", the phrase immortalized by Roberto Duran-CH), choral version of anthem. Off 0503. Good, dominant; DRM another Mexican s/off with same choral anthem same time. Good signal if using assigned 250 watt night power. (Wood)

1560 UNID 3/11 1010-1020 serious talk/discussion pgm in an Indian language. Strongly suspect Peru. (Wood)

1566 SOUTH KOREA Cheju HLAZ 5/21 1505 preacher in Kazakh (formerly known as Kirghiz, and still so called by some exiles), a Turkic language, as sked Tuesdays at this time. Good; trace of Iraqi jammer behind. (Wood)

1566 TUNISIA Sfax 2246 3/14 flute mx, AA talk, fair. (Hakiel)

1575 PORTUGAL Porto Canidelo 0504 4/12 pop mx, chimes, PP talk, fair. (Hakiel) 4/18 0441 man in PP just making it through slop. (Connnelly)

1580 VENEZUELA Cumana R. Manzanares YV. 6/10 1000 anthem, s/on 1001 greeting listeners "de Cumana y toda la Republica", into lively mx; atop channel. Anyone have calls for this? (Wood)

1584 SPAIN 4/18 0438 man in SS QRM'ed by CBJ splatter. (Connnelly) unid 0535 4/10 SS talk by man and woman, good. (Hakiel)

1593 AUSTRALIA Renmark 5.4 1549 sign-off w/"Advance Australia Fair" anthem and immediately into 1000 Hz tone test. Over/under 1XP. This is not the s/off time in WRTH 1985. (Wood)

1593 WEST GERMANY Langenberg 4/18 0435 good w/reggae-influenced vocal pop mx then GG talk by woman. (Connnelly) (A far cry from their normal Muzak-German pop-CH) 0355 4/5 GG talk, US oldie tunes, good. (Hakiel) 3/11 0438 light mx, GG anncts, fair. (Wood)

1602 SPAIN unid 0410 4/22 mx in SS talk, good. (Hakiel) 4/18 0437 bits of SS talk, Door. (Connnelly)

1611 VATICAN 0420 4/14 GG talk, celeste IS, good. (Hakiel)

1615 NEW ZEALAND O'Hura 4/17 1007 "O. R." Morse code, poor signal. (Vernon)

1620 AUSTRALIA 1PHR Canberra 4/16 1033 male w/clear ID and TC, was 1PHR and not 1RPH as listed in WRTH. 4/17 1045 very brief ID, again mentioned 1PHR. Stn mixes w/another, probably 4RPH but only this peaks enough for fair reception here. (Vernon)

1629T AUSTRALIA 2RPH Paddington 4/16 1133 male w/ID but local electrical noise too high to pick out, female then read a news story about a Princess being fathered by a former German SS officer. (Explain that to me please... Chuck) Poor signal, only stn noted. (Vernon)

1692T AUSTRALIA VL2UV Sydney 4.16 1008 female w/talk about a STS-SX computer program, couple of mentions of the University of N.S.W. Poor signal, very clear audio. Nothing on 1720-hi. (Vernon)

Da Verification Section

BRAZIL 1100 Sao Paulo R. Cultura partial data letter, two brochures, two stickers and postcard showing FM, TV, MW and SW towers and transmitter buildings (impressive). Signed Eng. Olimpio Jose Franco, Coordenador de Engenharia, 900 R. Tamboi, Rio do Janeiro short letter, sticker and folder from Carlos Viana.

COLOMBIA 810 R. Bolivar, Cartagena pleasant but no-data letter from Luis Alberto Payares Villa, Gerente, 1250 R. Capital, Bogota two page partial data letter and delightful cassette produced by Todelar with all-time Latin favorites from Alejandro Perez Rico, Gerente Radio y Produccion.

PARAGUAY 920 Asuncion R. Nacional partial data letter with preprinted SW frequency crossed out and "amplitud modulada en 920 KHz" inserted, from Carlos Montaner, Jefe Tecnico. Registered mail in three months. Enclosed attractive SS tourist booklet.

PERU 1300 R. Star, Lima OAX4M report to WRTH-85 for old R. Atalaya was

returned. Anyone help? R. Tawantinsuyo, Cusco pleasant, specific letter on attractive photographic letterhead from Ivan Montesinos Ortega, 14 year old 4th

son of station owners Raul Montesinos E. and Hilda Ortega. Mentions 1200 KHz

frequency and describes how he personally checked my reported programming with the anncr I heard. He corrects my spelling of that announcer's name. Enclosed

two bilingual pamphlets published by Radio Tawantinsuyo on local folk dances.

All from Richard Wood of course.....

Mark Connnelly W. Yarmouth, MA R390A, 2 100' phased LW's
 George Hakiel W. Islip, NY R71A, loops, phased LW's
 Brian Vernon. Elsa, Yukon Terr. 3 Beverages
 Richard Wood Hilo, HI R1000, 3 Beverages

SPORTS NETWORKS

Barry S. Finkel, 10314 S. Oakley Ave., Chicago, IL 60643

Here is all that I have in the way of baseball networks. Some of you out there must have lists that I have not yet published; please send them to me.

Chicago Cubs 1985 Harry Caray, Lou Boudreau, Dewayne Staats, Vince Lloyd

720 WGN -IL	1110 WFBM-IN	1370 KCBA-IA	1480 WRSW-IN	1590 KWBG-IA	97.7 WFRX-IL ^a
900 WNNR-WI	1150 KCKY-AZ	KDTA-IA	WTDY-WI	1600 WCWC-WI	WLQI-IN ^a
910 WAKO-IL	1170 KKZX-IA	1380 KCIM-IA	1490 WDAN-IL	KEDS-NB	WAXL-WI
940 KNST-AZ	1230 WXCO-WI	1390 KLNT-IA	1510 WINU-IL	92.1 WFPS-IL	98.3 KEMB-IA
980 WPRE-WI	1250 WIZZ-IL	1400 WBAT-IN	1510 WQCY-IL	92.7 KOSG-IA	99.5 WQCY-IL
1020 WCIL-IL	1260 KSNQ-CO	1440 WHLA-IL	1540 WBNL-IN	94.3 WJNZ-IN	100.1 WLRX-IL
1040 WHO -IA	1300 WPFR-IN	WPGW-IL	1560 WRIN-IN	WNZE-IN	100.9 WPGW-IN
1050 WDZ -IL	1310 KOKX-IA	1450 WEZR-IN	1570 WIFF-IN	95.9 WKUZ-IN	
WTCA-IN	1330 WRAM-IL	1460 WRTL-IL	WVMS-WI	96.7 WRVI-IL	
1060 WHFB-IN	1340 WLAV-MI	WQAM-IN	1580 WANJ-IN	WCOE-IN	
1090 WGOC-TN	1350 WIOW-IN	1470 WQSN-MI	1590 WPCO-IN	96.9 WLBB-IL	

TOP END

Craig Healy, 66 Cove Street, Pawtucket, RI 02861

1600-1800 KHz Range

Times are GMT

Deadline: Last Sat. of Month

July 1985...Loggings:

1615 ??? "24 hrs./day" RBT in CW w/ slight chirp. IDs 12/min. Suspect this is Camp Roberts in Central California midway between Los Angeles and San Francisco. Very loud, easily heard on automobile BC rcvr by those travelling on Highway 101. (Buttschardt)

1615 NEW ZEALAND Ohura 1254 6/5 OR weak on SR skip. Finally heard at home instead of at beverage site. (Peterson)

1620 ??? 0639 6/12 Weak, steady tone like Loran. (Hardester)

1629 ??? 1145 5/26 GEK u/ 2RPH. (Portzer)

1640 ??? 0641 6/12 Bits of audio, poss. mixing/image. (Hardester)

1660.5 ??? 0644 6/12 Fair level tone similar to Loran. (Hardester)

1662 ??? 0644 6/12 Fair level tone similar to Loran. (Hardester)

1665 ??? 1150 5/26 DMO w/ Al emission. (Portzer)

1691 ??? 0648 6/12 Warbling tone spread from 1689.5 to 1691.4. (Hardester)

1699.5 ??? 0649 6/12 RTTY-like idle tone at fair level. (Hardester)

1700 ??? 1103 5/26 Man in Japanese fair, sounded like casual conversation w/ long "uhhh" at times. USB modulation. (Portzer)

1710 ??? 0651 6/12 Fair level Loran-type tone spread from 1709.5 to 1710.5 (Hardester)

1720 ??? 1101 5/26 "38" in morse code repeated. (Portzer)

1780 ??? 0655 6/12 Carrier w/ weak audio. (Hardester)

Credits:

Mike Hardester at Encinitas, CA ICOM R70 200' LW
 Bruce Portzer Sombrio Point, BC FRG-7 1000' E-W Bev.
 Cliff Buttschardt Morro Bay, CA Kenwood TS-930 4' loop, var. wires
 Art Peterson Richmond, CA FRG-7 300' LW TUN-2

From Popular Communications, via Mike Hardester:
 Cubic Precision has KQ2XFT in Winchester, TN and KQ2XFW in Tullahoma, TN licensed to operate experimentally every 100 Hz from 1610.0 to 1612.4 and 1771.0 to 1773.4 KHz for propagation studies of nighttime radiolocation.

Not too shabby for a summer column. Keep 'em coming in....

Radio-TV deals set by Taft

Associated Press

CINCINNATI — Taft Broadcasting Co. announced Tuesday it has agreed to sell five radio stations to CBS Inc. for \$107.5 million to clear the way for Taft to purchase 12 stations from Gulf Broadcast Co. for \$755 million.

The transactions, to be closed simultaneously this fall, are both subject to Federal Communications Commission approval and completion of other closing conditions.

The properties to be sold to CBS are KTXQ-FM, Dallas-Fort Worth; KLTR-FM, Houston; WLTT-FM, Washington, D.C.; and WSUN-AM and WYNF-FM, Tampa-St. Petersburg, Fla.

Taft announced it is selling the five radio stations to CBS to allow Taft to comply with federal regulations in buying the five television and seven radio stations from Gulf Broadcast. The Gulf properties will be held by Taft's wholly owned subsidiary, Taft Television and Radio Co.

FCC regulations prohibit one company from owning newly acquired television and radio properties in the same market. Taft officials said the company's acquisition of the Gulf stations would have resulted in such cross-ownership in the Dallas, Houston, Washington and Tampa-St. Petersburg markets.

The song by Glenn Frey, outlines the dangers of a drug smuggler's life and the pervasiveness of the drug trade.

Listeners who heard the song over and over from 6 p.m. Wednesday to 10 a.m. Thursday couldn't get enough. They besieged the station with telephone calls for more.

One report said Frey, a former member of the Eagles, heard about it in Hawaii and called to ask what was going on.

"Today is a day of rebellion. How better to do it than with an anti-drug song?" Cox said.

Station management refused to comment. *POST TRIBUNE* copy, Jr.

6-185 ★ ★ *6-185* *6-185*

Disc jockey Don Cox locked himself in station WINZ-FM in Miami, Fla., and played the song "Smuggler's Blues" 51 times to drive home a message about drugs.

The song by Glenn Frey, outlines the dangers of a drug smuggler's life and the pervasiveness of the drug trade.

Listeners who heard the song over and over from 6 p.m. Wednesday to 10 a.m. Thursday couldn't get enough. They besieged the station with telephone calls for more.

One report said Frey, a former member of the Eagles, heard about it in Hawaii and called to ask what was going on.

"Today is a day of rebellion. How better to do it than with an anti-drug song?" Cox said.

Station management refused to comment. *POST TRIBUNE* copy, Jr.

GRAVEYARD DX ACHIEVEMENTS²⁷

William R. Hale, 9823 N. Meadow, Converse, TX 78109

Totals on 1230, 1240, 1340, 1400, 1450, and 1490 KHz Frequencies

1240 KHZ GRAVEYARD ACHIEVEMENTS

PRIORITY TO JAN 1, 1980
DATE OF LAST UPDATE: MAY 16, 1985

WEBJ	BREWTON (AL)	GENE ALLEN	VALLEJO (CA)	2060
WULA	EUFUAUL	GENE ALLEN	VALLEJO	2150
WJBY	GADSDEN	GENE ALLEN	VALLEJO	2050
WWWR	JASPER	GENE ALLEN	VALLEJO	1990
WCOV	MONTGOMERY	GENE ALLEN	VALLEJO	2075
KBYR	ANCHORAGE (AK)	GENE ALLEN	VALLEJO	2700
KWJB	GLOBE (AZ)	HANK HOLBROOK	CHEVY CHASE (MD)	1910
KOFA	YUMA	GENE ALLEN	VALLEJO	575
KVRC	ARKADELPHIA (AR)	DON KASKEY	GALVA (IA)	610
KWAK	STUTTGART	FRANK WHEELER	ERIE (PA)	808
KURE	CRESCENT CITY (CA)	DON KASKEY	SACRAMENTO (CA)	265
KRUU	DINUBA	DON KASKEY	SACRAMENTO	190
KHUM	EUREKA	GENE ALLEN	VALLEJO	215
KHON	MONTEREY	GENE ALLEN	VALLEJO	110
KPPC	PASADENA	STAN MORSS	BRADFORD (MA)	2500
KRKS	RIDGECREST	GENE ALLEN	VALLEJO	310
KROY	SACRAMENTO	DON KASKEY	GALVA	1565
KMFO	SAN BERNARDINO	STAN MORSS	BRADFORD	2400
KSON	SAN DIEGO	ERIC MCINTOSH	INVERCARGILL (NZ)	7165
KSUE	SUSANVILLE	DON KASKEY	OMAHA (NE)	1275
KCOX	TULANE	GENE ALLEN	VALLEJO	210
KRDO	COLORADO SPRINGS (CO)	GENE ALLEN	VALLEJO	210
KDGO	DURANGO	GENE ALLEN	VALLEJO	955
KSLV	MONTE VISTA	GENE ALLEN	VALLEJO	890
KWBC	MONTROSE	GENE ALLEN	VALLEJO	790
KCRT	TRINIDAD	FRANK WHEELER	ERIE	1335
WWCO	WATERBURY (CT)	FRANK WHEELER	ERIE	362
WLCO	EUSTIS (FL)	FRANK WHEELER	ERIE	915
WINK	FT. MYERS	GENE ALLEN	VALLEJO	2510
WMMB	MELBOURNE	DON KASKEY	OMAHA	1265
WFQY	ST. AUGUSTINE	GENE ALLEN	VALLEJO	2420
WGAI	AUGUSTA (GA)	GENE ALLEN	VALLEJO	2290
WBHB	FITZGERALD	DON KASKEY	OMAHA	970
WGGA	GAINESVILLE	DON KASKEY	GALVA	855
WLAG	LA GRANGE	GENE ALLEN	VALLEJO	2130
WRMT	MACON	GENE ALLEN	VALLEJO	2200
WPAX	THOMASVILLE	GENE ALLEN	VALLEJO	2240
WTWA	THOMSON	DON KASKEY	GALVA	950
WCRW	CHICAGO (IL)	FRANK WHEELER	ERIE	405
WEDC	CHICAGO	GENE ALLEN	VALLEJO	1860
WSBC	CHICAGO	FRANK WHEELER	ERIE	405
WEBO	HARRISBURG	GENE ALLEN	VALLEJO	1840
WTAX	SPRINGFIELD	FRANK WHEELER	ERIE	523
WSDR	STERLING	GENE ALLEN	VALLEJO	1745
WHBU	ANDERSON (IN)	FRANK WHEELER	ERIE	325
KDEC	DECORAH (IA)	FRANK WHEELER	ERIE	598
KWLC	DECORAH	FRANK WHEELER	ERIE	598
KBIZ	OTTUMWA	GENE ALLEN	VALLEJO	1610
KICD	SPENCER	FRANK WHEELER	VALLEJO	766
KIUL	GARDEN CITY (KS)	RALPH SPERRY	FAIRFIELD (CT)	1350
KAKE	WICHITA	GENE ALLEN	VALLEJO	1370
WINN	LOUISVILLE (KY)	ERIC MCINTOSH	INVERCARGILL	8746
WFTM	MAYSVILLE	GENE ALLEN	VALLEJO	2090
WPKE	PIKEVILLE	DON KASKEY	GALVA	780
WSFC	SOMERSET	DON KASKEY	OMAHA	675
KALB	ALEXANDRIA (LA)	GENE ALLEN	VALLEJO	1765
KANE	NEW IBERIA	FRANK WHEELER	ERIE	1051
WCBM	CAMBRIDGE (MD)	GENE ALLEN	VALLEJO	2530
WJEJ	HAGERSTOWN	FRANK WHEELER	ERIE	371
WHA1	GREENFIELD (MA)	FRANK WHEELER	ERIE	383
WOCB	WEST YARMOUTH	FRANK WHEELER	ERIE	312
WATT	CADILLAC (MI)	FRANK WHEELER	ERIE	311
WCBY	CHEBOYGAN	FRANK WHEELER	ERIE	333
WJPD	ISHPEMING	DON KASKEY	GALVA	465
WJIM	LANSING	FRANK WHEELER	ERIE	232
WMFG	HIBBING (MN)	FRANK WHEELER	ERIE	727
WGRM	GREENWOOD (MS)	FRANK WHEELER	ERIE	805
WGCM	GULFPORT	GENE ALLEN	VALLEJO	1980
WWOZ	MERIDIAN	GENE ALLEN	VALLEJO	1945
WMIS	NATCHEZ	FRANK WHEELER	ERIE	959
KFMO	FLAT RIVER (MO)	FRANK WHEELER	ERIE	623
KWOS	JEFFERSON CITY	GENE ALLEN	VALLEJO	1640
KXJL	HELENA (MT)	DON KASKEY	GALVA	860
KFOR	LINCOLN (NE)	FRANK WHEELER	ERIE	840
KODY	NORTH PLATTE	GENE ALLEN	VALLEJO	1170
WSNJ	BRIDGEPORT (NJ)	FRANK WHEELER	ERIE	316
KOAT	ALBUQUERQUE (NM)	DON KASKEY	GALVA	800
KAMO	CARLSBAD	FRANK WHEELER	ERIE	1445
WGBC	FREEPORT (NY)	FRANK WHEELER	ERIE	388
WGVA	GENEVA	FRANK WHEELER	ERIE	164
WJTN	JAMESTOWN	FRANK WHEELER	ERIE	30
WVOS	LIBERTY	FRANK WHEELER	ERIE	287
WNBZ	SARANAC LAKE	FRANK WHEELER	ERIE	333
WATN	WATERTOWN	FRANK WHEELER	ERIE	236
WHVN	CHARLOTTE (NC)	FRANK WHEELER	ERIE	461
WCNC	ELIZABETH CITY	FRANK WHEELER	ERIE	504
WJNC	JACKSONVILLE	FRANK WHEELER	ERIE	527
WSDY	MOUNT AIRY	DON KASKEY	OMAHA	895
WPJL	RALEIGH	FRANK WHEELER	ERIE	451

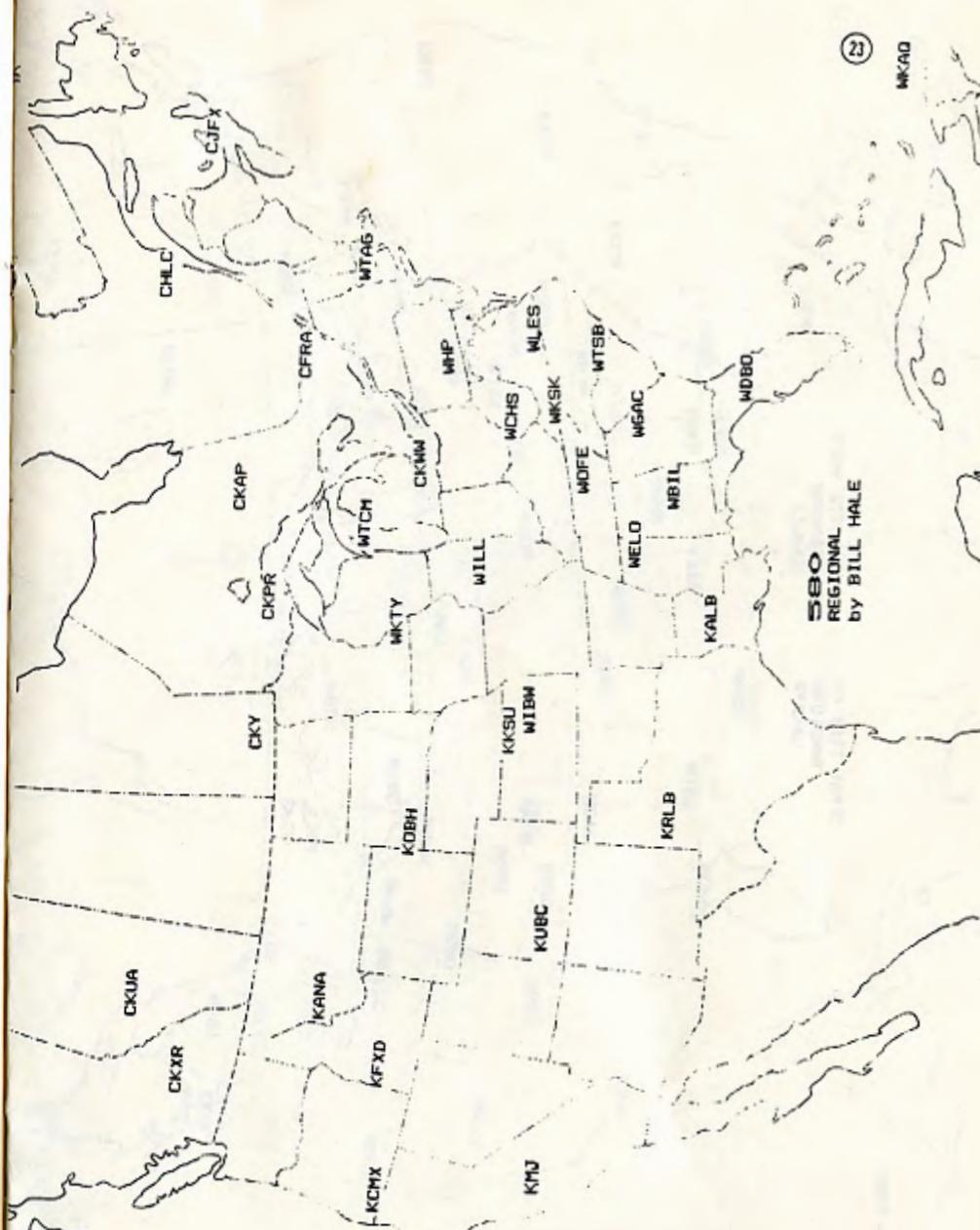
WENC	WHITEVILLE	GENE ALLEN	VALLEJO	2440
KDLR	DEVILS LAKE (ND)	FRANK WHEELER	ERIE	998
WBWW	YOUNGSTOWN (OH)	DON KASKEY	GALVA	770
WHIZ	ZANESVILLE	GENE ALLEN	VALLEJO	2165
KVSD	ARDMORE (OK)	GENE ALLEN	VALLEJO	1445
KBEL	IDABEL	GENE ALLEN	VALLEJO	1565
KHBD	OKMULGEE	FRANK WHEELER	ERIE	144
WRTA	ALTOONA (PA)	FRANK WHEELER	ERIE	223
WBAX	WILKES-BARRE	FRANK WHEELER	ERIE	541
WKDK	NEWBERRY (SC)	FRANK WHEELER	ERIE	570
WDXY	SUMTER	FRANK WHEELER	VALLEJO	1400
KWAT	WATERTOWN (SD)	GENE ALLEN	VALLEJO	1960
WBET	ELIZABETHTON (TN)	DON KASKEY	GALVA	830
WEKR	FAYETTEVILLE	DON KASKEY	GALVA	695
WBIR	KNOXVILLE	DON KASKEY	GALVA	775
WKDA	NASHVILLE	GENE ALLEN	VALLEJO	615
WENK	UNION	FRANK WHEELER	ERIE	615
KVLF	ALPINE (TX)	DON KASKEY	GALVA	970
KORA	BRYAN	GENE ALLEN	VALLEJO	1695
KGBS	HARLINGEN	GENE ALLEN	VALLEJO	1675
KTXJ	JASPER	GENE ALLEN	VALLEJO	1695
KOCA	KILGORE	GENE ALLEN	VALLEJO	1600
KMAC	SAN ANTONIO	GENE ALLEN	VALLEJO	1510
KXOX	SWEETWATER	GENE ALLEN	VALLEJO	1390
KOVO	PROVO (UT)	GENE ALLEN	VALLEJO	595
WSKI	MONTPELIER (VT)	FRANK WHEELER	ERIE	411
WROV	ROANOKE (VA)	FRANK WHEELER	ERIE	330
WTDN	STAUNTON	FRANK WHEELER	ERIE	276
WKDY	BLUEFIELD (WV)	FRANK WHEELER	ERIE	188
WDNE	ELKINS	DON KASKEY	GALVA	855
WKDY	WHEELING	PETE TAYLOR	DURHAM (NC)	400
WOMT	MANITOWOC (WI)	GENE ALLEN	VALLEJO	1850
WIBU	POYNETTE	GENE ALLEN	VALLEJO	1770
WBOT	RHINELANDER	FRANK WHEELER	ERIE	555
WJMC	RICE LAKE	GENE ALLEN	VALLEJO	1670
KFBC	CHEYENNE (WY)	FRANK WHEELER	ERIE	1272
KLUK	EVANSTON	GENE ALLEN	VALLEJO	650
KTHE	THERMOPOLIS	GENE ALLEN	VALLEJO	840
CJAV	PORT ALBERNI (BC)	PRINCE RUPERT	VALLEJO	790
CFPR	STRATFORD (ON)	GENE ALLEN	VALLEJO	1550
CJCS	SUMMERSIDE (PE)	FRANK WHEELER	ERIE	102
CJRW	N. BATTLEFORD (SK)	FRANK WHEELER	ERIE	846
CJNB	XEBO	GENE ALLEN	VALLEJO	1235
XEBU	CHIHUAHUA (CHIH)	GENE ALLEN	VALLEJO	1150
XEBN	DELICIAS	GENE ALLEN	VALLEJO	1200
XEFV	CD. JUAREZ	GENE ALLEN	VALLEJO	1010
JOER	HIROSHIMA (JAPAN)	GENE ALLEN	VALLEJO	5270

1240 KHZ GRAVEYARD ACHIEVEMENTS

BILL HALE
9823 N. MEADOW
CONVERSE, TX 78109

JAN 1, 1960 TO PRESENT
DATE OF LAST UPDATE: MAY 16, 1985

WEBJ	BREWTON (AL)	BRUCE CONTI	WEST WARWICK (RI)	1160
WPRN	BUTLER	RICH EDDIE	ST. LOUIS (MO)	440
WULA	EUFaula	ROBERT KRAMER	CHICAGO (IL)	710
WOWL	FLORENCE	JERRY ROBERTSON	CROSWELL (MI)	650
WARF	JASPER	CARL DABELSTEIN	LINCOLN (NE)	710
KVRD	COTTONWOOD (AZ)	GENE ALLEN	VALLEJO (CA)	625
KSMI	GLOBE	JIM HILLIKER	ANAHEIM (CA)	411
KVRC	ARKADELPHIA (AR)	STEVE FRANCIS	ALCOA (TN)	540
KWAK	STUTTGART	RICH EDDIE	ST. LOUIS	280
KPOD	CRESCENT CITY (CA)	RICHARD E. WOOD	HILO (HI)	2384
KOAD	LEMOORE	BILL & NANCY HARDY	ABERDEEN (WA)	590
KMBY	MONTEREY	JIM HILLIKER	ANAHEIM	242
KPPC	PASADENA	JIM HILLIKER	ANAHEIM	11
KLOA	RIDGECREST	JIM HILLIKER	ANAHEIM	128
KROY	SACRAMENTO	GENE NIX	BILLINGS (MT)	740
KD1G	SAN BERNARDINO	GENE ALLEN	VALLEJO	345
KSON	SAN DIEGO	RICHARD E. WOOD	HILO	2512
KSMA	SANTA MARIA	DON KASKEY	SAN FRANCISCO (CA)	230
KSUE	SUSANVILLE	JIM HILLIKER	ANAHEIM	476
KRDO	COLORADO SPGS (CO)	DAVE MARGRITZ	OMAHA (NE)	520
KDGO	DURANGO	GENE ALLEN	VALLEJO	790
KSLV	MONTE VISTA	RICK CARR	BLOOMINGTON (IL)	949
WWCO	WATERBURY (CT)	RODNEY VALDRON	PETIT ROCHER (NB)	565
WINK	FT. MYERS (FL)	KEN SCHILLER	MONMOUTH BCH (NJ)	1050
WMMB	MELBOURNE	CHRIS LUCAS	ITHACA (NY)	1010
WFQY	ST. AUGUSTINE	ANDY RUGG	MONTREAL (PQ)	1160
WBHB	FITZGERALD (GA)	GARY ATKINS	LOUISVILLE (KY)	470
WGGA	GAINESVILLE	JOHN BEUHLER	TOLEDO (OH)	715
WLAG	LA GRANGE	DAVE WHATMOUGH	HAMILTON (ON)	650
WBML	MACON	CHRIS LUCAS	STAMFORD (CT)	805
WNNS	STATESBORO	CARL DABELSTEIN	LINCOLN	1000
WPAX	THOMASVILLE	JEFF FOSNETT	CHARLESTON (WV)	555
WTWA	THOMSON	STEVE FRANCIS	ALCOA	200
KLEI	KAILUA (HI)	ERIC MCINTOSH	INVERCARGILL (NZ)	5142
KFLI	MOUNTAIN HOME (ID)	JIM HILLIKER	ANAHEIM	649
WCWR	CHICAGO (IL)	MICHAEL JEZIORSKI	BROOKFIELD (IL)	10
WEDC	CHICAGO	MORRIS SORENSEN	EMSDALE (ON)	440
WSRC	HARRISBURG	STEVE FRANCIS	OMAHA (NE)	470
WEBQ	SPRINGFIELD	DAVE MARGRITZ	PROVINCETOWN (MA)	1005
WTAX	STERLING	ERNIE COOPER	OMAHA	560
WSDR	DECORAH (IA)	DAVE MARGRITZ	BUFFALO (NY)	680
KDEC	OTTUMWA	WAYNE HEINEN	OMAHA	195
KBIZ	OTTUMWA	CARL DABELSTEIN	OMAHA	195
		DAVE MARGRITZ	(TIE)	5270



CFGP

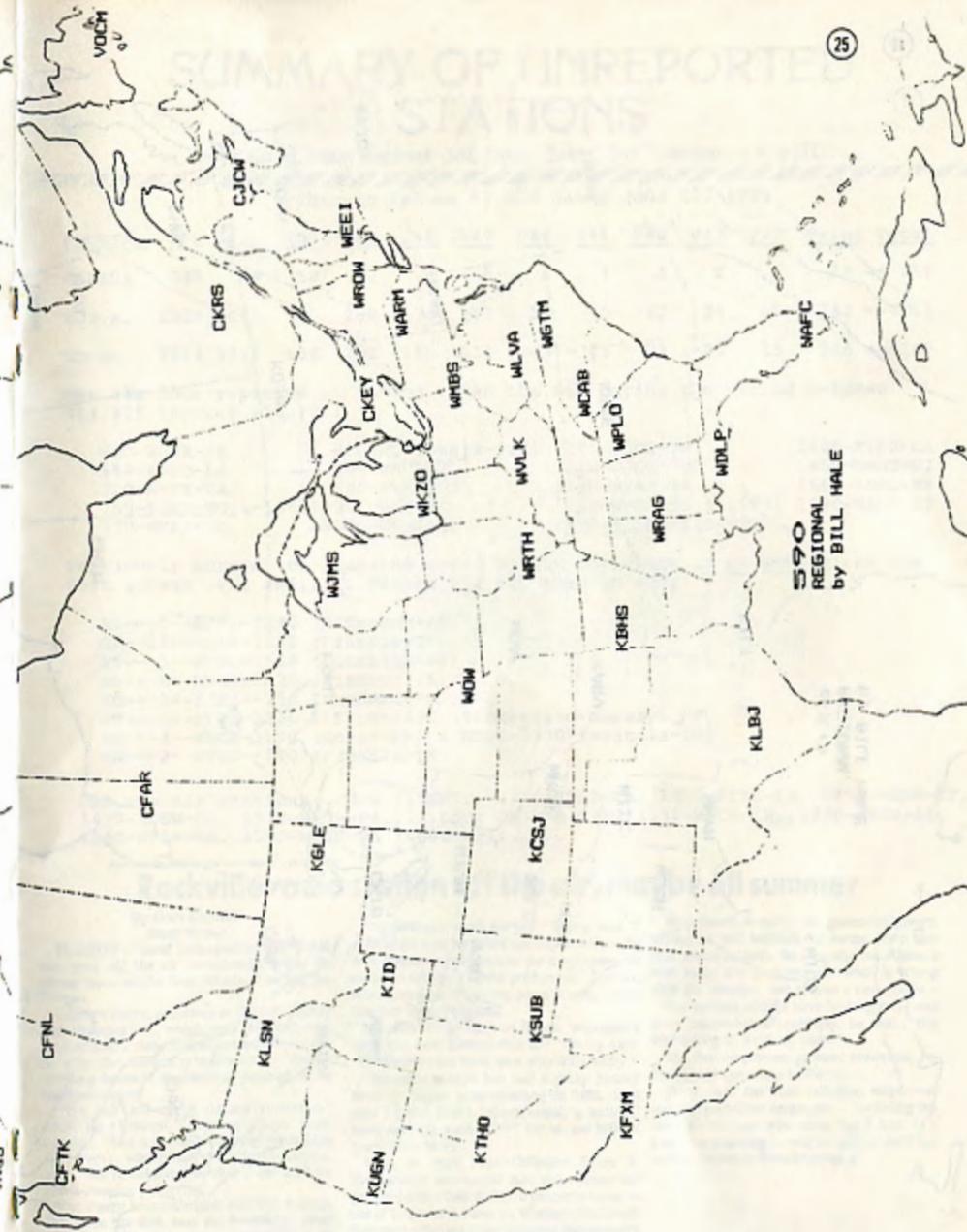
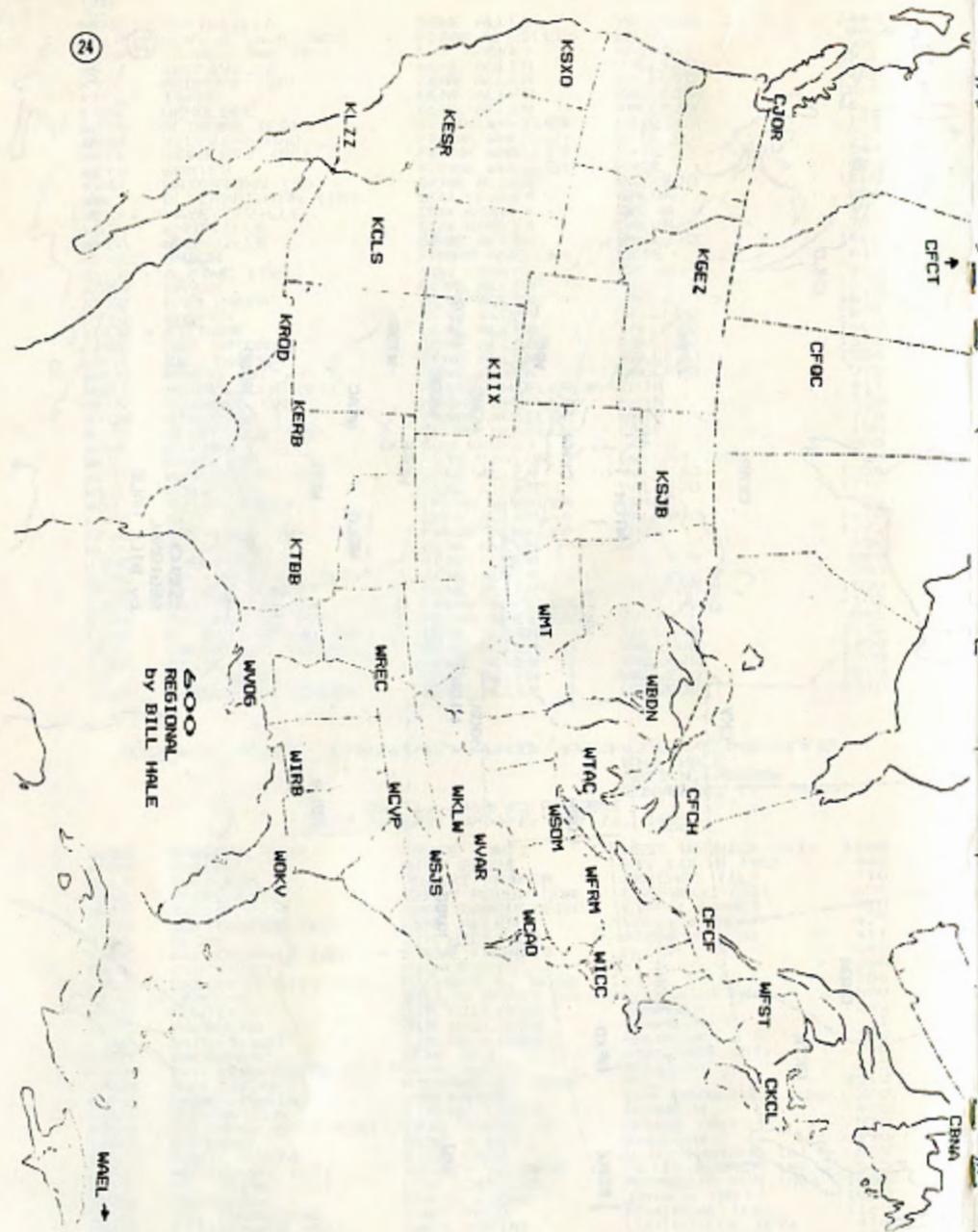
VOICE OF THE INLAND SEA
1020 - 1031 AVENUE
GRANDE PRAIRIE, ALBERTA

P.O. Box 2208 • Kokomo, Indiana 46902 • 317-453-1212

WZOU

WZOU
93FM





KRFO

AM 1050 KHz **WTCA-WNZE** FM 94.3 MHz
Community Service Broadcasters, Inc.

112 W. WASHINGTON ST.
PLYMOUTH, INDIANA 46563



KFOR
RADIO 1240

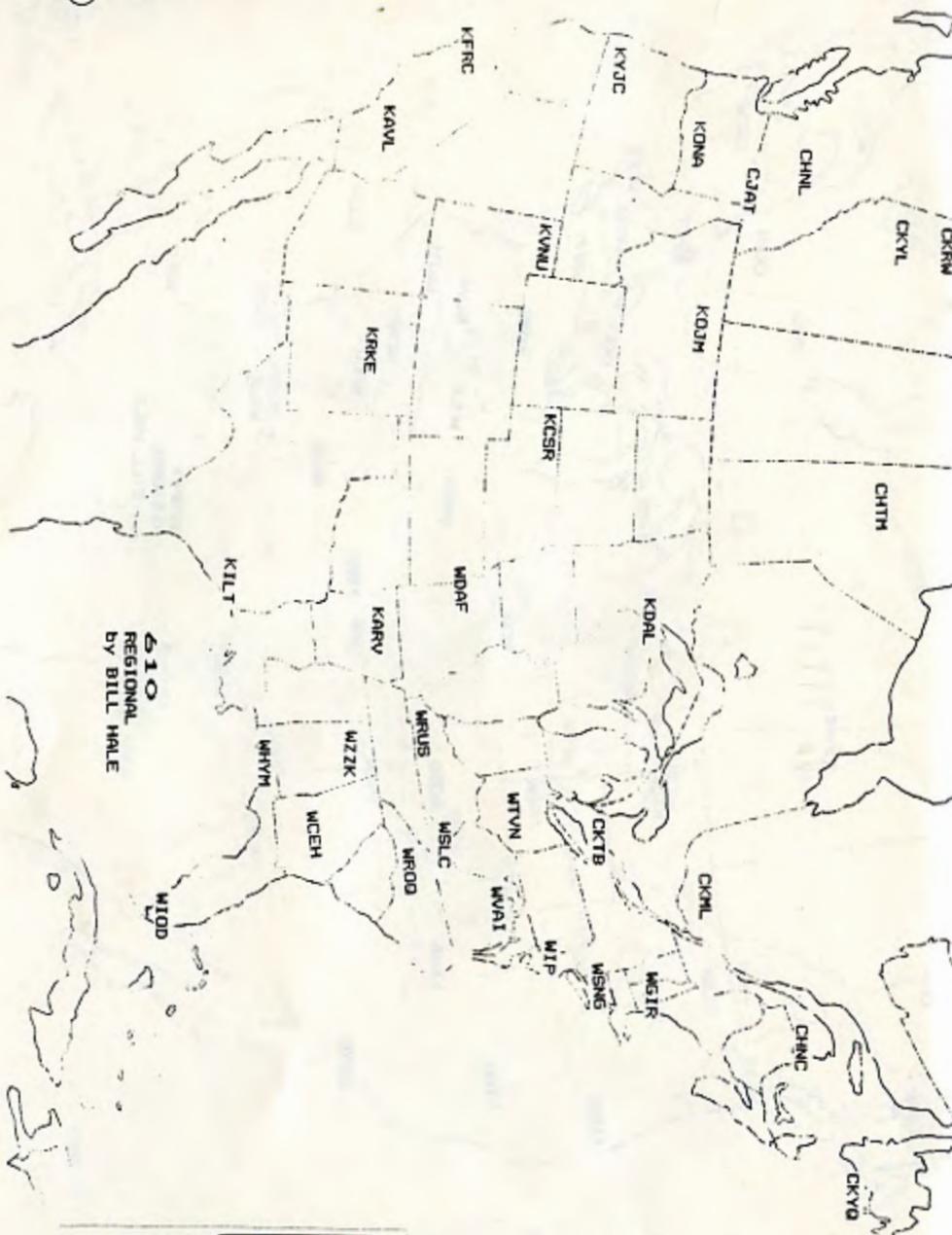
P.O. BOX 80209 • LINCOLN, NEBRASKA 68501

15
Country

KYNN AM/ALBIMAR COMMUNICATIONS
11128 JOHN GALT BLVD., OMAHA, NEBRASKA 68127

WEKI
AM 130

18900 James Couzens Hwy.
Detroit, Michigan 48235
(313) 345-8600



The Winning Combination... **KF-99**
music radio world

wenkam 1240
information · entertainment

WENK/WWKF, P.O. Box 669, Union City, TN 38261



THE NORTHWESTERN BROADCASTING CO. LTD.
1999 "EAGER BEAVER" STATION

CJNB

P.O. BOX 1460 • NORTH BATTLEFORD • SASKATCHEWAN

SUMMARY OF UNREPORTED STATIONS

Don Kaskey, Hotel Raphael, 386 Geary Street, San Francisco, CA 94102

Through Volume 52 #27 dated June 10, 1985

COUNTRY	V52	V51	V50	V49	V48	V47	V46	V45	V44	V43	V42	Prior Total
CANADA	225	69	50	22	9	8	6	3	1	2	0	24 == 419
U.S.A.	2339	1043	500	260	176	103	57	40	22	24	15	182 == 4761
TOTAL	2564	1112	550	282	185	111	63	43	23	26	15	206 == 5180

New stations reported as having taken the air during the period between V52 #25 through V52 #27:

660-WCRR-VA	820-KQIN-WA(x-800)	1100-WQDQ-TN	1400-KVLA-LA
680-KVGO-LA	840-WNUV-FL	1120-WCGM-TN	1450-WHRY-WI
720-WNXY-GA	890-WYAI-MS	1180-WSAF-GA	1560-KBRL-NE
750-KJEL-MO(x-1080)	960-WGRR-AL	1180-WFGN-SC(x-1570)	1590-WALY-KY
770-WYRV-VA	1100-WUBS-IL	1400-WCLB-GA(x-1220)	

Previously unreported stations noted by NRC reporters in DX NEWS since the last update (V52 #26)....Covers V52 #25 through #27:

AK---1--KCSY-1140 (O'Connor-AK)
GA---12--WSAF-1180 (Francis-TN)
KY---5--WLGC-1520 (Voorhies-NY)
MN---6--WMIN-1030 (Windsor-IL)
MO---1--KJEL--750 (Bueneman-MO)
MT---3--KLTZ-1240 & KYOT-1400 (Stokkeland-Norway)
SC---4--WFGN-1180 (Geary-PA) & WSOL-1370-(Francis-TN)
VA---2--WYRV-770 (Francis-TN)

OFF the air stations: Now SILENT: 1290-KESP-CA, 1310-KFYI-CA, 1450-WNAB-CT, 1470-KDUN-OR, 1510-WRUA-PA.....Back ON the Air: 1130-WWCM-^{IN} 1240-KYOR-AZ, 1240-WYAM-MS, 1580-WAJE-PA (testing).....

Rockville radio station off the air, maybe all summer

By DAN BARRY
Staff Writer

VERNON — Local radio station WRTT-AM has gone off the air indefinitely, while its new owners iron out the final details of selling the station.

Edward Perry, president of Tolland County Broadcasting Inc., which owns the 1,000-watt station, said Friday he ordered his employees to stop the station's broadcasting Friday morning because an antenna seemed to be malfunctioning.

"It's just not worth risking a citation" from the Federal Communications Commission, "and not worth blowing something up," Perry, who is based in Massachusetts, said. "We're obligated to shut it off until we get it running properly."

But Perry acknowledged that the station, at 1170 on the dial, may not broadcast again until September, when it is scheduled to be sold.

He said the station's current studio, at 13 Park St. in the Rockville section, is poorly maintained and too large for its needs. The station is scouring the entire town — not just Rockville — for more suitable studio space, he added.

"I know we have to move sooner or later, so we might as well move the studios at the same time" that a sale agreement is reached, Perry said. "It could be off (the air) a couple of months."

On Friday afternoon there were just two employees in the station's second-story offices around the corner from Town Hall. Records were stacked on one desk, and in another room equipment was piled on tables.

"A furlough, shall we say," Perry said. Still, he said he could not say whether the new owners would retain the employees, or even the station's "solid gold music" format, which consists of playing popular songs from the last three decades.

"If we don't go back on the air, who knows what the new format will be?" Perry said. "Everyone runs their own ship differently."

The radio station has had a rocky history since it began programming in 1982. Last year United Press International, a national news service, sued WRTT for unpaid bills of more than \$6,000.

Also, in April, Tax Collector Peter V. Korbasinski announced that the station had not paid more than \$3,000 in property taxes on about 32 acres it owns on Windsorville Road. But town officials later removed the property from a tax sale list because of its potential future value to the town.

The station also owes more than \$2,300 for 23 acres it owns in Ellington.

Perry, who had not responded to any of the town officials' inquiries about the unpaid bills, promised in April he would "work out some accommodation."

In addition, last year two station employees had formed their own corporation and reached a sales agreement for WRTT with Perry. But they disappeared before the sale could be finalized.

Perry said Friday that forming and then owning the radio station had been an experience.

"You live and you learn," he said.

He refused to name the potential buyers, saying he had learned his lesson from last year's aborted sale. He also said the station's next tasks are to determine what is wrong with the antenna, and to find a new studio.

The current offices have leaking roofs and other maintenance problems, he said. "It's depressing to work up there."

The two employees refused comment, referring all questions to Perry.

Perry said the four full-time employees and one part-time employee — including the two disc jockeys who cover the 6 a.m. to 8 p.m. broadcasting — will be laid off until the station resumes broadcasting.

WQQW
"YOUR KIND OF MUSIC"

AM 16

499 BOYDEN STREET • WATERBURY • CT 06704

FORMATS

② Tony Fitzherbert, 356 Jackman Avenue, Fairfield, CT 06430

As we go into the hot summer season, radio executives also are having a hot summer....as the constant tinkering with what the fickle public wants to hear..or what the industry thinks that the public wants goes on. We have a new format appearing for the first time.....Children's Programming!! Also, in a few weeks I will be off on my annual railroad trip, with an aside to Toledo and Detroit....should have lots of formats after that sojourn. This month's effort comes from Pete Nolan, with support from Dave Schmidt and Fred Vobbe. Here we go.....

680	WRVR	TN	Memphis	-	Ex WKDJ w/ Black programming, Now Ad. Con. (N).-S
770	WYRV	VA	(What city, D.S....I am typing this in the office)	- ROK, MOR, CWM	
790	WEAN	RI	Providence	-	Now adult standards(N).
850	KLEU	IA	Waterloo	-	Now silent.
900	WFLN	PA	Philadelphia	-	Still WFLN w/ CLA, not WDVT as yet for Delaware Valley Talk (Dave Schmidt).
930	KRNN	TX	Terrell Hills	-	Ex-KLLS, AD. CON., now NX/TLK (N).
970	WANZ	VA	(I wish that I had the directory in the office).	-	Now CWM via satellite.
980	KEAP	CA	Fresno	-	Now all SS(N).
1090	KAAY	AR	Little Rock	-	Now REL(N).
1150	KDEF	NM	Albuquerque	-	Back on the air, with Adult Standards.(N).
1180	WJJN	IN	Newburgh	-	Now REL(N).
1190	KPZE	CA	Anaheim	-	Contemporary Christian(N).
1220	KLIP	CA	Fowler	-	SS, and Spanish Religion(N).
1230	WBOK	LA	New Orleans	-	Black Gospel(N).
	WCOL	OH	Columbus	-	Now NX/TLK(N).
1240	KYOR	AZ	Globe	-	Back on the air, CWM(N).
1260	WIII	VA	(What City?)	-	CWM(S)
1280	WEXI	FL	Jacksonville	-	Drops NX/TLK for CHILDREN'S PROGRAMS(N).
1300	KYNO	CA	Fresno	-	Rock oldies(N).
1310	KYFI	CA	Oakland	-	Now silent(N).
	KTKR	CA	Taft	-	Drops Black programming for adult standards(N).
1330	WELW	OH	Willoghby	-	Ethnic(N).
1350	KUNN	CA	Bakersfield	-	CHR "K-13" again(N).
	WMRS	NH	Laconia	-	Rock oldies.(N).
1370	WMNY	SC	Ellioree	-	Ex-WSOL, Black, now CHR(N).
1380	WAVI	NH	Portsmouth	-	EX-WBBX, now Rock oldies(N).
1410	KERN	CA	Bakersfield	-	NX/TLK(N).
1470	WXKX	PA	Allentown	-	Ex-WSAN, now CWM, simulcasts w/ FM (TF) (N).
1480	WCDS	KY	Glasgow	-	Now REL(N).
	WSAY	VA	Salem	-	Now REL(N).
	KAAR	WA	Vancouver	-	Drops Rock oldies for CHILDREN's PROGRAMMING(N).
1490	KAIR	AZ	Tucson	-	Now rock oldies(N).
1500	WCZY	MI	Detroit	-	Ex-WLQV, w/ REL, now simulcasts w/ FM w/ CHR... per telephone conversation with Fred Vobbe.

And that is it...please, when submitting entries, include the city of license, as I like to type the column during lunch, on one of the typewriters in the office, and I do not have the directory here. And, for the rest of you, do get your contributions in.....Pete Nolan has submitted the lion's share of the column over the last couple of months.....so let us know what YOU heard during your summer travels.....if you hear Uncle Don reading Winnie the Pooh during AM drive on WBAL, KOMO, WTEL, or KYW, let us know.....or Peter Rabbit on WBZ, WLS, or WJR.....Children's Programming, eh!:

73⁸

Via Wendell Forrester, etc.
812 5-3185 Post-Tribune, Gary,

Radio station pulls song spoofing Indiana town

OWENSBORO, Ky. (AP) — "One Night in Boonville," a spoof record produced by the staff of radio station WSTO, was pulled off the air after a week of amusing almost everyone but the Indi-

ana town's mayor. Program director Chris Taylor said the station had received up to 200 calls a day requesting the novelty song before it was canceled Thursday.

The tune, which featured the station's staff singing to the music of Murry Head's Top 40 hit "One Night in Bangkok," spoofed life in tiny Bremen, Ind., with lyrics like:

"One night in Bonnville
feels like half a month there.
"Not much to do and even
less to see."

LESSONS

"It's a drag, it's a bore. They never even lock their doors.

"Haven't really seen a party since the Second World War."

Taylor said the station was "just poking fun," but Beonville Mayor Tom Pryor wasn't amused.

Pryor called the song "a slap in the face of Bonnville" and asked for an apology from the station.

The station didn't apologize, and Taylor said the criticism had nothing to do with his decision to pull the song.

"We just felt that it attracted so much attention that listeners have burned out on it by

"We have turned out on it by this time," he said.

KICD	SPENCER	DON KASKEY	GALVA (IA)	38
KIUL	GARDEN CITY (KS)	CARL DABELSTEIN	OMAHA	375
KIUL	GARDEN CITY	DAVE MARGRITZ	OMAHA (TIE)	375
KAKE	WICHITA	DAN PHILLIPS	TALLADEGA (AL)	875
WINN	LOUISVILLE (KY)	CHRIS LUCAS	TROY (NY)	705
W5FC	SOMERSET	CARL DABELSTEIN	OVERLAND PARK (KS)	560
KANE	NEW IERIA (LA)	JERRY STARR	YOUNGSTOWN (OH)	1005
WCDU	LEWISTON (ME)	DAVE FOX	READING (PA)	380
WMIK	MILLINOCKET	CHRIS LUCAS	FAIRFIELD (CT)	385
WCEM	CAMBRIDGE (MD)	RODNEY VALDRON	PETIT ROCHE	825
WJEI	HAGERSTOWN	NEIL KAZAROSS	PAWTUCKET (RI)	570
WHA1	GREENFIELD (MA)	JOHN BEUHLER	TOLEDO	580
WCQB	WEST YARMOUTH	CARL DABELSTEIN	CROSWELL	710
WCBY	CHEBOYGAN (MI)	MIKE ZEJORSKI	LINCOLN	680
WJPD	ISHPENING	CHRIS LUCAS	BROOKFIELD	280
WJIM	LANSING	CARL DABELSTEIN	FAIRFIELD	590
KPRK	PARK RAPIDS (MN)	MORRIS SORENSEN	OMAHA	390
WJON	ST. CLOUD	JERRY STARR	LEAF RAPIDS (MB)	845
WMPA	ABERDEEN (MS)	ROBERT KRAMER	YOUNGSTOWN	640
WM1S	NATCHEZ	STEVE FRANCIS	CHICAGO	770
KFMO	FLAT RIVER (MO)	CARL DABELSTEIN	ALCOA	405
KWOS	JEFFERSON CITY	CARL DABELSTEIN	OVERLAND PARK	135
KNEM	NEVADA	RICK CARR	OVERLAND PARK	85
KBMY	BILLINGS (MT)	DON KASKEY	BLOOMINGTON	1100
KLTZ	GLASGOW	CARL DABELSTEIN	SACRAMENTO	1005
KBLI	HELENA	CARL DABELSTEIN	OMAHA	855
KFOR	LINCOLN (NE)	DAVE MARGRITZ	OMAHA	60
KODY	NORTH PLATTE	CARL DABELSTEIN	OMAHA	262
KELK	ELKO (NV)	DAVE MARGRITZ	OMAHA	1046
WFTN	FRANKLIN (NH)	JERRY STARR	YOUNGSTOWN	750
WSNJ	BRIDGEPORT (NJ)	RODNEY VALDRON	PETIT ROCHE	750
KAMO	CARLSBAD (NM)	DAVE MARGRITZ	OMAHA	776
KCLV	CLOVIS	DAVE MARGRITZ	OMAHA	614
WGBB	FREEPOR (NY)	RODNEY VALDRON	PETIT ROCHE	640
WGVA	GENEVA	RICH EDDIE	ST. LOUIS	760
WJTN	JAMESTOWN	STEVE FRANCIS	ALCOA	500
WWOS	LIBERTY	JOE KURETH	UNIONTOWN (MD)	195
WWND	SCHENECTADY	RODNEY VALDRON	PETIT ROCHE	525
WATN	WATERTOWN	JOE KURETH	UNIONTOWN	305
WPWF	BREVARD (NC)	RODNEY VALDRON	PETIT ROCHE	1235
WIST	CHARLOTTE	ANDY RUGG	MONTREAL	810
WCNC	ELIZABETH CITY	RICH EDDIE	ST. LOUIS	800
WJNC	JACKSONVILLE	ANDY RUGG	MONTREAL	750
WPJL	RALEIGH	WAYNE HEINEN	BUFFALO	500
WWMC	WILKESBORO	MIKE CSORBAY	CANFIELD (ON)	480
KDLR	DEVILS LAKE (ND)	MORRIS SORENSEN	LEAF RAPIDS	500
WBWB	YOUNGSTOWN (OH)	ANDY RUGG	MONTRAL	455
WHIZ	ZANESVILLE	JOE KURETH	UNIONTOWN	255
KADS	ELK CITY (OK)	BILL HALE	MOUNTAIN HOME (ID)	900
KOKL	OKMULGEE	RICK CARR	AUSTIN	380
KFLY	CORVALLIS (OR)	DON KASKEY	SACRAMENTO	435
KTIX	PENDLETON	STEPHEN MCINTIRE	DES MOINES (IA)	1260
KOEN	ROSEBURG	GENE ALLEN	VALLEJO	365
WRTA	ALTOONA (PA)	STEVE FRANCIS	ALCOA	445
CIVIL DEFENCE	PHILADELPHIA	DAN PHILLIPS	CLINTON (TN)	630
WHUM	READING	STEVE FRANCIS	ALCOA	545
WYGL	SELINSGROVE	RODNEY VALDRON	PETIT ROCHE	735
WBAX	WILKES-BARRE	RODNEY VALDRON	PETIT ROCHE	875
WMON	WOONSOCKET (RI)	RODNEY VALDRON	PETIT ROCHE	490
WDKK	NEWBERRY (SC)	JERRY STARR	YOUNGSTOWN	470
WQXY	SUMTER	RUSS EDMUNDS	PARSIPPANY (NJ)	575
KCCR	PIERRE (SD)	CARL DABELSTEIN	HAMILTON	1040
WEEJ	ELIZABETHTON (TN)	ANDY RUGG	MONTRAL	799
WBIR	KNOXVILLE	STEVE FRANCIS	MONTRAL	830
WKDA	NASHVILLE	HARRY HAYS	MONTRAL	925
WEDG	SODDY-DAISY	CARL DABELSTEIN	ALCOA	777
WENK	UNION CITY	CARL DABELSTEIN	GOULDSBURG (PA)	780
KXYL	BROWNWOOD (TX)	RICK CARR	OMAHA	671
KORA	BRYAN	RICK CARR	OMAHA	730
KSOX	RAYMONDVILLE	DAVE SCHMIDT	AUSTIN	265
KXOX	SWEETWATER	ANDY RUGG	BLOOMINGTON	665
WWSI	MONTPELIER (VT)	ANDY RUGG	NEW CASTLE (DE)	355
WSSV	PETERSBURG (VA)	ANDY RUGG	MONTRAL	605
WRDV	ROANOKE	ANDY RUGG	MONTRAL	640
WTQN	STAUNTON	ANDY RUGG	SACRAMENTO	570
KXLE	ELLENBURG (WA)	DON KASKEY	ST. LOUIS	590
WKOY	BLUEFIELD (WV)	RICH EDDIE	UNIONTOWN (MD)	500
WTIP	CHARLESTON	JOE KURETH	PETIT ROCHE	255
WDNE	ELKINS	RODNEY VALDRON	ST. LOUIS	935
WQHT	MANITOWOC (WI)	RICH EDDIE	ST. LOUIS	410
WIBU	POYNETTE	MIKE CSORBAY	CANFIELD	505
WQBT	RHINELANDER	JERRY STARR	YOUNGSTOWN	545
WJMC	RICE LAKE	CARL DABELSTEIN	OMAHA	360
KFBC	CHEYENNE (WY)	CARL DABELSTEIN	OMAHA	473
KASL	NEWCASTLE	MIKE HARDESTER	NAS MIRAMAR (CA)	960
KRAL	RAWLINS	CARL DABELSTEIN	OMAHA	597
KTHE	HERMOPOLIS	BILL & NANCY HARDY	ABERDEEN	700
CJAR	THE PAS (MB)	MORRIS SORENSEN	LEAF RAPIDS	200
CKIM	BATE VERTE (NF)	RODNEY VALDRON	PETIT ROCHE	465
CJNH	BANCROFT (ON)	MIKE CSORBAY	CANFIELD	170
CBEZ	BRITT	MORRIS SORENSEN	EMSDALE	77
CJCS	STRATFORD	MIKE HARDESTER	TOLEDO	205
CJWA	WAWA	JOE BEUHLER	GOD'S NARROWS (MB)	935
CJRW	SUMMERSIDE (PE)	MORRIS SORENSEN	FAIRFIELD	590
CJAF	CABANO (PG)	CHRIS LUCAS	MONTRAL	280
CJMD	CHIBOUGAMAU	ANDY RUGG	CANFIELD	540

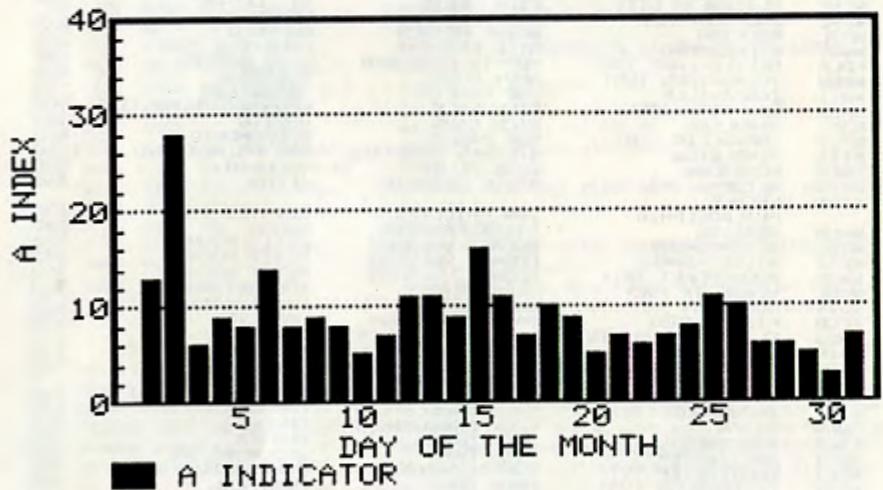
CKLS	LA SARRE	MORRIS SORENSEN	GOD'S NARROWS	1060
CFLM	LA TUQUE	JOE KURETH	UNIONTOWN	580
CFLS	LEVIS	PAUL MOUNT	TEANECK (NJ)	450
CKBS	ST. HYACINTHE	RODNEY VALDRON	PETIT ROCHE	375
XECG	NOGALES (SON)	ROBERT WIEN	SAN JOSE (CA)	755
XES	TAMPICO (TAMS)	PICK CARR	AUSTIN	560

And, so, here is another edition of GYDXA. As you can see, the record distances range from across town to halfway around the world. If you have DXed a Graveyard station appearing here and can beat the distance listed, or can add to the list with a station not listed, stake your claim!! Welcome to new reporters Joe Kureth and Eric McIntosh. Deadline for 1340 is Ju 15th. 73

AfR GRAPH

Russ Edmunds, 753 Valley Road, Blue Bell, PA 19422

MAY/AFR GRAPH



This graph shows the daily variations in AfR, the Fredericksburg (VA) index of geomagnetic activity in the earth's magnetic field. High values (above 20) indicate that medium wave signals in upper latitude paths will likely be absorbed, thus resulting in "auroral conditions" with signals from the South and from local stations predominating due to this absorption of the more northerly signals. Low values over a period of time indicate a likelihood of more receptions of the higher-latitude paths -- more, and more northerly TA's and TP's. Several days of low values following higher ones are needed for conditions to return to "normal", due to residual absorption. Long periods of extremely low values (5 or less) are necessary to raise the possibility of good high-latitude conditions throughout the entire MW band, although this is not the only requirement. For additional information on the use of the AfR and related indicies as a DX tool, consult the NRC Reprints List for relevant articles. (The Reprint List can be obtained from the NRC Publication Center, whose address is located on the back cover). ---RJE

DUSTY DIALS

Tom Farmerie, 62 Sunrise Ave., Grafton, MA 01519

A Look at the History of Radio and DX

This edition of DUSTY DIALS features a profile of one of BCB DXers most fascinating personalities, the late Henry F. Tindall. Hank was born in 1906 in Burlington Vermont. He started DXing in 1923 and started verifying in 1924. Hank was actively DXing thru the late 1960s, with a reputed total of 6,925 BCB verifications from 166 countries. Yes, 6,925 and 166, that's no typo! More about those totals later in this story, which as you will see, gets quite involved.

There are very few surviving DXers who knew Hank personally. Much of what I know about him was learned in discussions with his close friend the late Carleton Lord, an article published 25 years ago in a short lived DX mag, old letters written by Hank, an unforgettable night in 1964 spent on Dick Cooper's front porch listening to DX lure from Dick and Ray Edge until 6 a.m., various musings by Hank over the years in NNRC and NRC, and from Bob Curtis, who plays golf with an old golf partner of Hank's.

Personally, when I first joined NNRC in 1957, and NRC in 1959, I found that the listed accomplishments of DXers like Hank made them semi-legendary heroes to a BCB Club neophyte like myself.

Hank lived in the same house in Burlington from birth thru retirement in 1965. He was proprietor of Tindall's Paint Shop, which was started by his father, Henry T. Tindall, Sr., and it was a successful auto body repair and painting enterprise. Hank's first marriage was in 1929, and he and bride Clara went to Florida for their honeymoon on a Harley Davidson motorcycle, making a side trip to Newport Rhode Island, where Hank waited three hours for the C.E. to show up so he could get a delinquent reception report verified! After retirement, they sold the old home, bought a home in Shelburne along with a mobile trailer home that they used for winter vacationing in Florida. The Tindall's had no children, and Clara passed away in the late 1960s. In Florida, Hank married again, but it lasted six months. Hank then moved back to Shelburne, where he passed on around 1978. Hank was one who lived life to the fullest. He was an enthusiastic skier, an avid golfer (playing over 1600 courses in all the contiguous states and Alaska), had a fully restored Ford Model A convertible, was an avid nature photographer, was quite an active athlete in his younger days, and he travelled extensively. Yet, he managed to find the time to amass those totals... 6,925 veries in 166 countries. I gather that Hank's business was very lucrative over the years, allowing his extensive travels after retirement. Of interest is the fact that the Tindall's never owned a TV set until after he retired. On one occasion he said that the BCB was his only iron in the fire, and that it never lacked his undivided attention over the years, but in 1939 he was published as saying he had quit short wave DXing. Accounts by people who knew Hank reveal that he was an exceptionally popular man, both in DX circles and in his home area. His musings in the old NNRC were perhaps the most delightful to read by anyone in any club, or a par with those by NRC's beloved unforgettable Ralph "Uncle Ralphie" Johanns. In the NNRC, which in its heyday was not only the top BCB DX club but also promoted friendship as a personal value no less important than DX skills, (something we ALL should remember), Hank was really liked and respected as a warm human being. People cite his personal honesty and integrity, and not one disparaging word has been unearthed to date. He was also quite witty, in the dry New England tradition, and his musings can bring a smile even when read today. As an adult, Hank was known to join in any baseball etc. game being played in his neighborhood by kids much younger than him.

There is a photo accompanying this article of "Tindall's Tavern", photo being made by Carleton Lord. The Tindalls would buy two bottles of each and every liqueur they came across. One bottle would be consumed, and the other would be kept unopened in the collection which is in this photograph. It has always fascinated me how many of us BCB DXers are of the "collector" and "totaler" types. Hank collected fine liqueurs and kept detailed totals of how many golf courses (a tee-totaller?) he played. Hank did not join NRC until 1955. Before that he was a very prominent member of NNRC. In a letter written by Hank in the 1960s, he mentions that his reason for joining NRC finally was due to the best DXers then being nearly exclusively NRCers, an oblique statement that NNRC was long past its glory days. 1955 was also the year that Carleton Lord joined NRC. Just before World War II, Hank bought a Hammarlund HQ-120-X, which was his only receiver for the rest of his days at the dials. The author is also the proud owner of one of these magnificent sets, and feels it is one of the better Hammarlunds, somewhat equivalent to the HQ-150, and far better in quality and performance than the relatively cheap intervening HQ-129-X model. Along with the HQ-120-X, Hank had a simple 80' inverted L antenna. I drove past his old QTH on North Street in 1973, and found the noise level rather high then. Carleton Lord also found it a noisy QTH in his visits to

Hank. Years ago, while visiting with Ray Edge and Dick Cooper in Kittering, they told me that Hank's fabulous DX claims were possible due to his close proximity to Lake Champlain. However the house was at least a half mile from the Lake and in a densely built up area. Bob Curtis, who lives in a much quieter location a few miles North of Hank's old home, has never found BCB foreigners to be anywhere near at the levels and frequency of reception that Hank's verification totals might suggest. So, exactly just what was Hank Tyndall's secret method or there in the Green Mountains of Vermont? At this point in the story, we have to examine several of Hank's statements on his own DXing achievements. A 1939 musings in NNRC stated that he had not heard a DU Zedder or Aussie since 1931 and he bemoaned that he did not have a very good location for foreign DX, these statements being made when his countries verified total was under one third of his final claim of 166. In a letter written in the 1960s, Hank mentioned frequently receiving letters from fledgling young DXers asking what his secret method was. He stated that there was NO secret or gimmick. Another musings once bemoaned that a number of stations were non verifiers due to the number of bad reports that were increasingly being sent by younger DXers. We also have to mention the one full page summary of Hank's verifications, typed and published by Dick Cooper in DX NEWS in the mid 1960s. Some of the totals claimed were: 2 from India, 24 Alaskans, 203 from Europe, 64 from Asia, 261 from South America, 43 from Africa, 114 from Oceania, 228 from Mexico, 34 from Japan, 1 from the Faroe Islands, 55 Brazilians, 26 Hawaiians, and a total of 1,086 verities from BCB foreign stations! At the time these totals were not questioned. A subsequent article in DX NEWS analyzed some of Hank's Asian and Pacific verities, and concluded, somewhat poker faced, that they proved that maybe high sunset years apparently had little effect on high latitude path long haul BCB DX.

Yes, but Hank HAD the verities, and as some old timers falsely still insist, 'a verification is proof of reception'. Well, a couple years later, Hank was suddenly gone from NRC, and for years the true story was a confidential matter.

Before I get into the details surrounding Hank's departure from the NRC, I should remind all of the Chicago 'Black Sox' World Series scandal, and the cry of Chicago star Shoeless Joe Jackson's young idolizing fans: 'Say it isn't so, Joe!', and I should remind all of the mortal weaknesses of us all, and the countless falls from grace by people at the top, whether in pro sports, politics, the arts or any other walk of life. In those days NRC and NNRC had 'rankings', with NRC's being known as 'SUPREMACY RATINGS', implying much more than a hobby achievement. Hank was always at the top. In the late 1960s Hank was caught red handed. He had sent a reception report to a station based on a lossing by someone else, as published in DX NEWS. Hank admitted to the deed, and was asked to quietly resign from NRC, which he did.

Later on the pieces began to surface as to his secret method. It must be stated however that evidence indicates that Hank was every bit one of the top two or three legitimate DXers until sometime around 1950 or so, when the band began to deteriorate due to HSPs, ANs, and galloping frequency (love that word!) frequency congestion.

It is speculated that Hank feared being toppled as 'Numero Uno' in the Supremacy Ratings. This behavior is common in people 'at the top' in any field. A fear of loss of stature results in a reaction of trying to retain one's position at any cost, in any manner. About the same time, the late Joe Becker decided to call it quits as far as DXing, and in my opinion Joe retired as 'champ', in 1951, at 64, living another 21 years, to 85. Hank's secret method was simple: send a follow up reception report without any verifiable details, without having ever sent an original report with details, then bombard the station with follow-ups until they send a 'verie' to set you off their back! That end use of prepared cards was enough for Hank to amass 6,925 verities in 166 countries. DXers visiting stations that kept files of DXer reception reports saw the pattern repeated over and over. The 'smoking gun' use of a published lossing was the other method. My purpose in writing this is not to 'expose' Hank Tyndall, I still think he was, at least until the 1950s, one of the top DXers, and I think that you, the reader see the personal tragedy in this weakness of an otherwise very likable human being. We published his photo in the 50th Anniversary Book, because, as I said then, 'the legend is greater than the man'. Hank never confided his own feelings on the matter, not even to his close friend Carleton Lord. Carleton had his own personal doubts about Hank's later DXing, but as Carleton told me, the man was otherwise a long time friend of remarkable likability, and in the early days, a hell of a good DXer. A few of us had realized that this story had to be told sooner or later. We never met the man, but we share an empathy for the man and his mortal weakness, plus we also realized that this story must be told as a lesson to all.

Hank's fall was from the top. Over the years there have been numerous cases

of gross fraudulence amongst DXers. Collectively they have been, perhaps, a major reason why stations don't verify legitimate reports. However, sooner or later, they are discovered, and their names are well known. The demise of DXers doing verifications is due to many reasons: increasing cost, understaffed overworked station personnel, frequent call changes bringing a deluge of reports from the same DXers, little practical value to stations of reports (with exceptions of course), tapes as the ultimate proof of reception and the near meaninglessness of a paper verification as proof of reception. Paul Taylor once speculated that anyone could verify at least 75 countries on BCB by merely opening the WRTVH, never turning on a receiver! That is probably right on. It is a souvenir at best, occasionally it is meaningful when a legitimately tentative report is verified. The saying 'To thine own self be true' is certainly a wise one to follow for BCB DXers. Hank is noted his 6,925 'replies' from stations long ago trashed. According to one account, Hank himself destroyed them before his death. It all reminds me of the final scenes in one of the all time film classics, Orson Welles' 'Citizen Kane'. In closing, I hope this article has been of benefit in reminding all of human nature, has warned the unscrupulous in our midst, and has been a lesson to all of us. This hobby is nothing else but a hobby to be honestly enjoyed, and I like to think Hank finally realized that truth.

Direct
Newark News Radio Club



Henry T. Tyndall
"Hank"

HENRY T. TYNDALL, Jr.
"Hank"

Hank is one of the most popular and most active members in the NNRC. Age 37, married and joined the Club in 1930. Has been State Director for Vermont since 1934. Been DXing since 1924. On May 1, 1937 had the very enviable total of 1,387 BC verifications. Hank splits his time at the dials between two sets, a Zenith and a Lincoln. Holds Silver Ace Certificate No. 3.

Another enjoyable hobby of Hank's is razzing The Baltimore Rooster and The Indiana Firelighter and taking Pee Wee Nichols into camp DXingly.

Burlington, Vt. (5-37-#1)

Top Left: Hank Tyndall in 1937
Top right: Hank Tyndall in 1960, same room, same chair, same pose
Bottom Left: Text on back of card at top left

More... Next PAGE →



5000 WATTS - 630 KC
KWRO
BIG 'K' RADIO
P. O. BOX 398 - COQUILLE, OREGON 97423


```

7 JUN 09.12 00.08 5:12 AM EDT 8:08 PM EDT
14 JUN 09.16 00.11 5:10 AM EDT 8:11 PM EDT
21 JUN 09.16 00.11 5:10 AM EDT 8:11 PM EDT
28 JUN 09.18 00.11 5:10 AM EDT 8:07 PM EDT
7 JUL 09.13 00.07 5:13 AM EDT 8:07 PM EDT
14 JUL 09.17 00.03 5:17 AM EDT 8:03 PM EDT
21 JUL 09.23 23.58 5:23 AM EDT 7:58 PM EDT
28 JUL 09.29 23.52 5:29 AM EDT 7:52 PM EDT
7 AUG 09.39 23.41 5:39 AM EDT 7:41 PM EDT
14 AUG 09.48 23.33 5:48 AM EDT 7:33 PM EDT
21 AUG 09.56 23.24 5:56 AM EDT 7:24 PM EDT
28 AUG 10.06 23.15 6:06 AM EDT 7:15 PM EDT
7 SEP 10.19 23.01 6:19 AM EDT 7:01 PM EDT
14 SEP 10.29 22.52 6:29 AM EDT 6:52 PM EDT
21 SEP 10.39 22.42 6:39 AM EDT 6:42 PM EDT
28 SEP 10.51 22.38 6:51 AM EDT 6:38 PM EDT
7 OCT 11.02 22.19 7:02 AM EDT 6:19 PM EDT
14 OCT 11.12 22.09 7:12 AM EDT 6:09 PM EDT
21 OCT 11.22 21.59 7:22 AM EDT 5:59 PM EDT
28 OCT 11.31 21.58 7:31 AM EDT 5:58 PM EDT
7 NOV 11.43 21.38 6:43 AM EST 4:38 PM EST
14 NOV 11.51 21.38 6:51 AM EST 4:38 PM EST
21 NOV 11.57 21.23 6:57 AM EST 4:23 PM EST
28 NOV 12.03 21.18 7:03 AM EST 4:18 PM EST
7 DEC 12.08 21.13 7:08 AM EST 4:13 PM EST
14 DEC 12.18 21.18 7:18 AM EST 4:18 PM EST
21 DEC 12.11 21.18 7:11 AM EST 4:18 PM EST
28 DEC 12.16 21.18 7:18 AM EST 4:18 PM EST
*****
```

SUNTABLE.B2S Program Listing:

```

3 PRNMS="SUNTABLE.B2S" Program = ";PRNMS
5 PRINT"PRINT\PRINT" 
7 PRINT" WALION DX Labs -- Software Division -- REV = 18 MAR 1985" \PRINT
10 PRINT" ****
15 PRINT" * SUNRISE / SUNSET PROGRAM * "
20 PRINT" ****
30 PRINT
40 DIM XS(2),MS(12)
50 DATA "JAN", "FEB", "MAR", "APR", "MAY", "JUN", "JUL", "AUG", "SEP", "OCT", "NOV", "DEC"
60 FOR I=1 TO 12\READ MS(I)\NEXT I
70 FORM1$=" 'LLLLL 'LLLLL 'LLLLLLLLL 'LLLLLLLLL"
80 FORM2$=" 'LLLLL 'LLLLL LLLLLL LLLLLL LLLLLL"
90 FORM3$=" 'LLLLL LLLLLL LLLLLL LLLLLL 000.000 'L 000.000 'L"
100 K=180/3.1415927\REM DEGREES IN A RADIAN
105 INPUT "Output file name":OUTFS
106 CONT=8
107 OPEN OUTFS FOR CUTFUT AS FILE #18
108 INPUT "(0=MANUAL ENTRY/OTHER #=USE GEOFDATA FILE) LOCATION DATA SOURCE":QL
109 IF QL=0 THEN GOSUB 8000\GO TO 200
110 ON ERROR GO TO 11000
120 GO TO 135
130 PRINT"*** FILE NOT FOUND ***\PRINT
135 GOSUB 7000\REM LIST AVAILABLE DATA FILES
140 INPUT "Geodata input file to read":INF$ 
150 OPEN INF$ FOR INPUT AS FILE #28
160 PRINT
210 INPUT #28,TITLE$ 
220 INPUT #28,QS
222 IF QS="ENDATA" THEN CLOSE #28\GO TO 720
224 INPUT #28,T
225 INPUT #28,AS
226 INPUT #28,LO
227 INPUT #28,OS
228 PRINT"PRINT USING FORM3$,QS,T,AS,LO,OS
230 QQ=0\INPUT"(1=YES/-1=EXIT FILE/OTHER #=READ NEXT QTH) USE THIS LOCATION":QQ
235 IF QQ=-1 THEN CLOSE #28\GO TO 720
240 IF QQ<>1 THEN 220
240 IF AS="S" THEN T=-T
240 IF OS="W" THEN LO=-LO
300 GOSUB 4000
310 IF QL<>0 THEN 220
720 Q=0\INPUT"(1=YES) RUN AGAIN":Q
```

37

```

730 IF Q=1 THEN 100
900 GO TO 10000
2000 REM *** SUNRISE / SUNSET math SUBROUTINE ***
2004 FOR M=1 TO 12\REM MONTH
2005 FOR D=7 TO 28 STEP 7\REM DAY
2007 DTE$=STR$(D)+" "+MS(M)\REM DATECODE
2008 IF D>10 THEN DTE$=" "+DTE$ 
2010 GOSUB 3000
2015 A=90-((SIN(Y/K))*23.45)
2020 G=(TAN(T/K))/(TAN(A/K))
2030 IF G>1 THEN PRINT #1 USING FORM2$,DTE$,"Polar Region: no sunrise or sunset"
2035 IF G>1 THEN 2100
2040 G=(ATN(G/((1-(G^2))^0.5)))*(K/15)
2050 H=L0/15\J=6-H\B=18-H
2060 IF E>24 THEN B=24
2070 IF J<0 THEN J=J+24
2080 IF Z=1 THEN 2100
2085 R=J+G\S=E-G
2090 GO TO 2110
2100 R=J-G\S=E+G
2110 TIM1=R
2120 GOSUB 3000
2130 SR1$=TIM1$ \SR2$=TIM2$
2140 TIM1=S
2150 GOSUB 3000
2160 SS1$=TIM1$ \SS2$=TIM2$
2170 PRINT #1 USING FORM1$,DTE$,SR1$,SS1$,SR2$,SS2$
2180 NEXT D
2190 NEXT M
2300 RETURN
3000 REM *** Y Z - GET SUBROUTINE ***
3010 Z=(M*180)+D
3020 IF Z>320 AND Z<922 THEN Z=1 ELSE Z=0
3030 IF M=1 THEN Y=100
3040 IF M=2 THEN Y=131
3050 IF M=3 AND D<21 THEN Y=160
3060 IF M=3 AND D>28 THEN Y=-28
3070 IF M=4 THEN Y=11
3080 IF M=5 THEN Y=41
3090 IF M=6 THEN Y=72
3100 IF M=7 THEN Y=102
3110 IF M=8 THEN Y=133
3120 IF M=9 AND D<22 THEN Y=164
3130 IF M=9 AND D>21 THEN Y=-21
3140 IF M=10 THEN Y=8
3150 IF M=11 THEN Y=39
3160 IF M=12 THEN Y=69
3170 Y=Y+D
3180 IF AS="N" AND Z=1 THEN Y=Y*(30/31)\REM spring/summer N hemisphere
3190 IF AS="S" AND Z=0 THEN Y=Y*(30/31)\REM spring/summer S hemisphere
3200 RETURN
3800 REM *** TIME SUBROUTINE 1 ***
3805 IF TIM1>24 THEN TIM1=TIM1-24
3807 IF TIM1<0 THEN TIM1=TIM1+24
3810 TYM=INT(60*(TIM1-INT(TIM1)))
3815 IF TYM=60 THEN TYM=59
3820 TIM1=INT(TIM1)+TYM/100
3830 IF M>4 AND M<11 THEN TYS$="EDT" ELSE TYS$="EST"
3840 IF TYS$="EDT" THEN TIM2=TIM1-4 ELSE TIM2=TIM1-5
3850 IF TIM2<0 THEN TIM2=TIM2+24
3860 GOSUB 3000
3870 RETURN
3900 REM *** TIME SUBROUTINE 2 ***
3905 TIM1$=STR$(INT(TIM1))+":"
3906 IF LEN(TIM1$)<3 THEN TIM1$="0"+TIM1$ 
3907 TME=100*(TIM1-INT(TIM1))
3909 IF TME-INT(TME)>=.5 AND TME<59 THEN TME=1+INT(TME)\GO TO 3913
3911 TME=INT(TME)
3913 IF TME<10 THEN TIM1$=TIM1$+"0"
3915 TIM1$=TIM1$+STR$(TME)\REM TIME IN GMT
3920 IF TIM2<1 THEN TYS$=" MIDL "+TYS$ \TIM2=12+TIM2\GO TO 3940
3925 IF TIM2<12 THEN TYS$=" AM "+TYS$ \GO TO 3940
3930 IF TIM2<13 THEN TYS$=" NOON "+TYS$ \GO TO 3940
3935 TYS$=" PM "+TYS$ \TIM2=TIM2-12
3940 TIM2$=STR$(INT(TIM2))+":"
3945 IF TIM2<10 THEN TIM2$="0"+TIM2$ 
3950 TYS$=100*(TIM2-INT(TIM2))
```

```

3952 IF TYM-INT(TYM)>=.5 AND TYM<59 THEN TYM=1+INT(TYM)\GO TO 3955
3953 TYM=INT(TYM)
3955 IF TYM>18 THEN TIM2S=TIM2S+"8"
3960 TIM2S=TIM2S+STR$(TYM)+TYS$REM LOCAL TIME
3970 RETURN
4000 REM *** PRINT - OUT SUBROUTINE ***
4003 IF CONT=1 THEN PRINT #1," This is file: "+OUTFS$" (continued)"
4004 IF CONT=1 THEN 4007
4005 CONT=1\PRINT #1," This is file: "+OUTFS$
4007 PRINT #1," ****
4010 PRINT #1," Location = ";OS
4020 PRINT #1," Latitude = ";ABS(T);"; ";AS
4030 PRINT #1," Longitude = ";ABS(LO);"; ";OS
4032 PRINT #1,
4035 PRINT #1,"          TIMES IN GMT          TIMES IN EASTERN LOCAL TIME"
4040 PRINT #1," Date      Sunrise      Sunset      Sunrise      Sunset"
4045 PRINT #1,"      _____      _____      _____      _____
4050 GOSUB 2000\REM MATH
4060 PRINT #1," ****
4065 PRINT #1,CHR$(12)\REM FORM-FEED
4070 SRI$=""\SS1$=""\SR2$=""\SS2$="""
4100 RETURN
7000 REM *** DATAFILE LIST SUBROUTINE ***
7010 PRINT
7020 PRINT" AVAILABLE GRODATA FILES:"
7030 PRINT"          WORLD.DAT"
7040 PRINT"          METROBOS.DAT"
7050 PRINT"          NORTHAM.DAT"
7060 PRINT"          CARIB.DAT"
7070 PRINT"          CEMISTHAM.DAT"
7080 PRINT"          EURO.DAT"
7090 PRINT"          AFRO.DAT"
7100 PRINT"          ASIA.DAT"
7110 PRINT"          PACIF.DAT"
7120 PRINT
7130 PRINT
7140 PRINT
7150 PRINT
7160 PRINT
7170 PRINT
7180 PRINT
7190 PRINT
7200 PRINT
7210 PRINT
7220 PRINT
7230 PRINT
7240 PRINT
7250 PRINT
7260 PRINT
7270 PRINT
7280 PRINT
7290 PRINT
7300 PRINT
7310 PRINT
7320 PRINT
7330 PRINT
7340 PRINT
7350 PRINT
7360 PRINT
7370 PRINT
7380 PRINT
7390 PRINT
7400 PRINT
7410 PRINT
7420 PRINT
7430 PRINT
7440 PRINT
7450 PRINT
7460 PRINT
7470 PRINT
7480 PRINT
7490 PRINT
7500 PRINT
7510 PRINT
7520 PRINT
7530 PRINT
7540 PRINT
7550 PRINT
7560 PRINT
7570 PRINT
7580 PRINT
7590 PRINT
7600 PRINT
7610 PRINT
7620 PRINT
7630 PRINT
7640 PRINT
7650 PRINT
7660 PRINT
7670 PRINT
7680 PRINT
7690 PRINT
7700 PRINT
7710 PRINT
7720 PRINT
7730 PRINT
7740 PRINT
7750 PRINT
7760 PRINT
7770 PRINT
7780 PRINT
7790 PRINT
7800 PRINT
7810 PRINT
7820 PRINT
7830 PRINT
7840 PRINT
7850 PRINT
7860 PRINT
7870 PRINT
7880 PRINT
7890 PRINT
7900 PRINT
7910 PRINT
7920 PRINT
7930 PRINT
7940 PRINT
7950 PRINT
7960 PRINT
7970 PRINT
7980 PRINT
7990 PRINT
8000 REM *** MANUAL - ENTRY SUBROUTINE ***
8010 PRINT\PRINT
8252 INPUT"NAME OF LOCATION";OS
8255 AS=""\PRINT\INPUT"IS LOCATION LATITUDE NORTH (N) OR SOUTH (S)";AS
8256 IF AS<>"N" AND AS<>"S" THEN PRINT "ILLEGAL ENTRY"\GO TO 8255
8257 PRINT\PRINT"ENTER LOCATION LATITUDE"\GOSUB 9000
8258 DEGREES
8260 OS=""\PRINT\INPUT"IS LOCATION LONGITUDE WEST (W) OR EAST (E)";OS
8261 IF OS<>"W" AND OS<>"E" THEN PRINT "ILLEGAL ENTRY"\GO TO 8260
8262 PRINT\PRINT"ENTER LOCATION LONGITUDE"\GOSUB 9000
8263 LO-DEGREES
8500 RETURN
9000 REM *** COORDINATE ENTRY SUBROUTINE ***
9010 INPUT"DEGREES";DEGREES
9020 IF DEGREES<>INT(DEGREES) THEN 9100
9030 INPUT"MINUTES";MINUTES
9040 INPUT"SECONDS";SECONDS
9050 DEGREES=DEGREES+(MINUTES/60)+(SECONDS/3600)
9100 RETURN
9999 REM *** EXIT ***
10000 CLOSE #18
10500 GO TO 12000
11000 RESUME 138
12000 END

```

The second program, DARKFIND.B2S, calculates the sunset & sunrise times for a particular date and a user-selected site and compares them to the sunset & sunrise times for all locations in a selected Geodata file. The status of all locations (home QTH & up to 128 DX QTH's) at a user-selected time is displayed as DWN (down: sunrise +/- 15 min.), DAY (sunrise + 15 min. to sunset - 15 min.), DSK (dusk: sunset +/- 15 min.), or NIT (night: sunset + 15 min. to sunrise - 15 min.). The following file, C00000.RXT, is a sample output of the DARKFIND program:

This is file: COMPREX.TEX

A decorative border consisting of a repeating pattern of stars and dots, forming a scalloped or wavy effect along the top and bottom edges of the page.

Program = DARKFIND.B2S * Geodata = WORLD.DWG

Date = 28 OCT * Time = 23.00 GM

Location	Lat.	/	Long.	Sunset	IN GMT	CX
				Sunrise	now	
USA / MA - W. Yarmouth	41.68 N		70.22 W	22.00	11.20	NIT
USA / MA - Boston	42.36 N		71.06 W	22.03	11.25	NIT
USA / NY - New York City	40.67 N		73.83 W	22.16	11.33	NIT
USA / LA - New Orleans	30.00 N		90.05 W	23.34	12.25	DAY
USA / IL - Chicago	41.83 N		87.75 W	23.10	12.31	DSK
USA / CA - Los Angeles	34.00 N		118.25 W	01.22	14.23	DAY
USA / WA - Seattle	47.58 N		122.33 W	01.20	14.58	DAY
USA / HI - Honolulu	21.32 N		157.83 W	04.13	16.48	DAY
CANADA / ON - Toronto	43.78 N		79.42 W	22.34	12.00	NIT
CANADA / NF - St. John's	47.57 N		52.68 W	20.41	10.19	NIT
COSTA RICA - San Jose	9.98 N		84.07 W	23.28	11.44	DAY
CUBA - Havana	23.12 N		82.42 W	23.10	11.48	DSK
PUERTO RICO - San Juan	18.48 N		66.13 W	22.09	10.39	NIT
BARBADOS - Bridgetown	13.10 N		59.62 W	21.48	10.00	NIT
VENEZUELA - Caracas	10.58 N		66.93 W	22.19	10.36	NIT
BRAZIL - Natal	5.77 S		35.25 W	20.25	08.16	NIT
BRAZIL - Rio de Janeiro	22.88 S		43.28 W	21.11	08.34	NIT
Ecuador - Quito	0.23 S		78.58 W	23.14	11.13	DSK
ENGLAND - London	51.58 N		0.17 W	17.04	06.57	NIT
FRANCE - Paris	48.87 N		2.33 E	16.59	06.42	NIT
ITALY - Rome	41.88 N		12.58 E	16.29	05.50	NIT
SPAIN - Madrid	40.42 N		3.72 W	17.36	06.53	NIT
PORTUGAL - Lisboa	38.73 N		9.13 W	18.00	07.12	NIT
AZORES - Flores	39.40 N		31.20 W	19.28	08.41	NIT
GERMANY - Langenberg	51.37 N		7.12 E	16.35	06.27	NIT
SWEDEN - Stockholm	59.33 N		18.05 E	15.31	06.04	NIT
CZECHOSLOVAKIA - Prague	50.08 N		14.42 E	16.08	05.56	NIT
USSR - Moscow	55.75 N		37.70 E	14.22	04.35	NIT
GREECE - Athens	38.00 N		23.73 E	15.50	05.00	NIT
ALGERIA - Algiers	36.83 N		3.00 E	17.14	06.21	NIT
SENEGAL - Dakar	14.63 N		17.45 W	18.58	07.21	NIT
NIGERIA - Lagos	6.45 N		3.47 E	17.41	05.51	NIT
ANGOLA - Luanda	8.83 S		13.25 E	17.13	05.00	NIT
SOUTH AFRICA - Cape Town	33.93 S		18.47 E	17.15	04.16	NIT
KENYA - Nairobi	1.28 S		36.83 E	15.33	03.31	NIT
ISRAEL - Tel Aviv	32.08 N		34.77 E	15.12	04.00	NIT
INDIA - New Delhi	28.62 N		77.22 E	12.26	01.15	NIT
CHINA - Beijing	39.92 N		116.42 E	09.36	22.51	DWN
JAPAN - Tokyo	35.67 N		139.75 E	08.08	21.13	DAY
AUSTRALIA - Melbourne	37.82 S		144.97 E	08.53	19.46	DAY
TAHITI - Papeete	17.53 S		149.57 W	04.11	15.44	DAY

DATAFILED-B2S Program Listing

```

3 PRNMS="DARKFIND.B25"
5 PRINT\PRINT\PRINT Program = ";PRNMS
7 PRINT" WALION DX Lab - Software Division — REV = 28 MAR 1985"\PRINT
10 PRINT" ***** NIGHT / DAY PROGRAM ****
15 PRINT" ***** NIGHT / DAY PROGRAM ****
20 PRINT" ***** NIGHT / DAY PROGRAM ****
30 PRINT
40 DIM XS(2),MS(12)
50 DATA "JAN","FEB","MAR","APR","MAY","JUN","JUL","AUG","SEP","OCT","NOV","DEC"
60 FOR I=1 TO 12\READ MS(I)\NEXT I
70 FORM1$= " LLLLLL LLLLLL LLLL 00.00 'LL 000.00 'L"
75 FORM1$=FORM1$+" LLLL LLLL 'LLL"
80 FORM2$=FORM1$+" LLLLLL LLLLLL 'LLL"
85 HDR1$= "
91 HDR1$=HDR1$+ " TIMES IN GMT CX"
92 HDR2$= " Location Lat. / Long. "
93 HDR2$=HDR2$+" Sunset Sunrise now"
94 HDR3$= " _____"
95 HDR3$=HDR3$+ " _____"
96 HDR4$="no s'set'srise"
97 STARS=" \"DASH$=STAR$"
98 FOR I=1 TO 72\STARS=STAR$+"\"DASH$=DASH$+"\"NEXT I
100 R=180/3.1415927\REM DEGREES IN A RADIAN
105 INPUT" Output file name";OUTPS
106 CONT=0

```

40

```

187 OPEN CUTFS FOR CUTPUT AS FILE #18
188 PRINT"INPUT" Month #;M\=INT(M)
189 IF M<1 OR M>12 THEN PRINT" ILLEGAL ENTRY"\GO TO 188
190 PRINT"INPUT" Day #;D\=INT(D)
191 IF D<1 OR D>31 THEN PRINT" ILLEGAL ENTRY"\GO TO 118
192 IF M=1 OR M=3 OR M=5 OR M=7 OR M=8 OR M=10 OR M=12 THEN 115
193 IF D>31 THEN D=30
194 IF D>28 AND M=2 THEN D=28
195 DTE$=STR$(D)+" "+MS(M)\REM DATECODE
196 IF D<10 THEN DTE$=" "+DTE$ 115
197 PRINT"INPUT" (use 4-digit, GMT, 24-hr. format) Time";NT
198 IF NT<0 OR NT>2359 OR (NT/100)-INT(NT/100)>=60 THEN 128 ELSE 121
199 PRINT" ILLEGAL ENTRY"\GO TO 117
200 GOSUB 6500
201 NT=(100*INT(NT/100))+((NT-(100*INT(NT/100)))/.6)
202 ON ERROR GO TO 11000
203 GO TO 135
204 PRINT" *** FILE NOT FOUND ***\PRINT
205 GOSUB 7000\REM LIST AVAILABLE DATA FILES
206 INPUT " Geodata input file to read";INPS
207 OPEN INPS FOR INPUT AS FILE #28\LINE=-1
208 GOSUB 8600\GOSUB 4000\REM OPERATOR QTH
209 PRINT
210 INPUT #28,TITLE$ 135
211 INPUT #28,Q5
212 IF QS="ENDATA" THEN CLOSE #28\GO TO 300
213 INPUT #28,T
214 INPUT #28,AS
215 INPUT #28,LO
216 INPUT #28,OS
217 INPUT #28,O$ 300
218 GOSUB 4000
219 IF QS="ENDATA" THEN 728
220 GO TO 228
221 O=0\INPUT" (1=YES) RUN AGAIN";O
222 IF O=1 THEN 188
223 GO TO 188
224 REM *** SUNRISE / SUNSET math SUBROUTINE ***
225 IF AS="S" THEN T=-T
226 IF OS="W" THEN LO=-LO
227 GOSUB 3000
228 A=90-((SIN(Y/K))*23.45)
229 G=(TAN(T/K))/(TAN(A/K))
230 IF G<1 THEN 2840
231 IF G=1 THEN CX$="GRY"\GO TO 2838
232 IF AS="N" AND Z=1 THEN CX$="DAY"
233 IF AS="N" AND Z=0 THEN CX$="NIT"
234 IF AS="S" AND Z=1 THEN CX$="NIT"
235 IF AS="S" AND Z=0 THEN CX$="DAY"
236 PRINT #1 USING FORM2$;QS,ABS(T),AS,ABS(LO),O$,HDR4$,CX$ 2838
237 GO TO 2300
238 G=(ATN(G/((1-(G^2))^.5)))*(K/15)
239 H=LO/15\J=6-H\H=18-H
240 IF E>24 THEN E=24
241 IF J<0 THEN J=J+24
242 IF Z=1 THEN 2100
243 R=J+G\S=E-G
244 GO TO 2110
245 R=J-G\S=E+G
246 TIM1=R
247 GOSUB 3000
248 UTSR=(UH*100)+(UTM/.6)
249 SRIS=TIM1$ 2100
250 TIM1=S
251 GOSUB 3000
252 UTSR=(UH*100)+(UTM/.6)
253 SSL$=TIM1$ 2110
254 GOSUB 6000
255 PRINT #1 USING FORM1$;QS,ABS(T),AS,ABS(LO),O$,SSL$,SRIS,CX$ 2110
256 RETURN
257 REM *** Y Z - GET SUBROUTINE ***
258 Z=(M*100)+D
259 IF Z>320 AND Z<922 THEN Z=1 ELSE Z=0
260 IF M=1 THEN Y=100
261 IF M=2 THEN Y=131
262 IF M=3 AND D<21 THEN Y=168
263 IF M=4 THEN Y=111
264 IF M=5 THEN Y=41
265 IF M=6 THEN Y=72
266 IF M=7 THEN Y=102
267 IF M=8 THEN Y=133
268 IF M=9 AND D<22 THEN Y=164
269 IF M=9 AND D>21 THEN Y=-21
270 IF M=10 THEN Y=8
271 IF M=11 THEN Y=39
272 IF M=12 THEN Y=69
273 Y=Y\D
274 IF AS="N" AND Z=1 THEN Y=Y*(30/31)\REM spring/summer N hemisphere
275 IF AS="S" AND Z=0 THEN Y=Y*(30/31)\REM spring/summer S hemisphere
276 RETURN
277 REM *** TIME SUBROUTINE 1 ***
278 IF TIM1>=24 THEN TIM1=TIM1-24
279 IF TIM1<0 THEN TIM1=TIM1+24
280 TYM=INT(60*(TIM1-INT(TIM1)))
281 IF TYM=60 THEN TYM=59
282 TIM1=INT(TIM1)+TYM/100
283 GOSUB 3900
284 RETURN
285 REM *** TIME SUBROUTINE 2 ***
286 UIH=INT(TIM1)
287 TIM1$=STR$(UIH)+"."
288 IF LEN(TIM1$)<3 THEN TIM1$="0"+TIM1$ 3900
289 TYM=100*(TIM1-INT(TIM1))
290 IF TYM-INT(TYM)>=.5 AND TYM<59 THEN TYM=1+INT(TYM)\GO TO 3913
291 TYM=INT(TYM)
292 UTM=TYM
293 IF TYM<10 THEN TIM1$=TIM1$+"0"
294 TIM1$=TIM1$+STR$(TYM)\REM TIME IN GMT
295 RETURN
296 REM *** PRINT-OUT SUBROUTINE ***
297 IF QS="ENDATA" THEN 4863
298 IF LNE=-1 THEN 4865
299 IF LNE/42<INT(LNE/42) THEN 4850
300 LNE=8
301 IF CONT=1 THEN PRINT #1," This is file: "+CUTFS+(continued)"
302 IF CONT=1 THEN 4868
303 CONT=1\PRINT #1," This is file: "+CUTFS
304 PRINT #1,STARS
305 PRINT #1," Program = ";PRNMS;" * Geodata = ";INPS
306 PRINT #1," Date = ";DTE$;" * Time = ";NT$ 4863
307 PRINT #1,
308 PRINT #1,HDR1$ 4865
309 PRINT #1,HDR2$ 4868
310 PRINT #1,HDR3$ 4869
311 GOSUB 2000\REM MATH
312 IF LNE=-1 THEN PRINT #1,DASH\$LNE=8 4870
313 IF (LNE+1)/42<INT((LNE+1)/42) THEN 4876
314 PRINT #1,STARS 4871
315 PRINT #1,CHR$(12)\REM FORM-FEED 4872
316 SSL$=""\SS1$=""
317 LNE=LNE+1 4873
318 RETURN
319 REM *** DARK / LIGHT STATUS SUBROUTINE ***
320 IF UTSS<UTSR THEN UX=2400 ELSE UX=0
321 UXSS=UTSS\UX
322 IF NT<(UTSS-UX)+25 THEN NT=NT+UX
323 IF UTSS-25<NT OR UTSS+25>NT THEN CX$="NIT"
324 IF UTSS-25<NT AND UTSS+25>NT THEN CX$="DWN"
325 IF UTSS-25<NT AND UTSS+25>NT THEN CX$="DSK"
326 IF UTSS+25>NT AND UTSS-25<NT THEN CX$="DAY"
327 RETURN
328 REM *** NT FORMATTER SUBROUTINE ***
329 NT1=INT(NT/100)
330 NT$=STR$(NT1)
331 IF NT1<10 THEN NT$="0"+NT$ 6500
332 NT$=NT$+"."
333 NT2=INT(NT-(100*NT1)+.1) 6508
334 IF NT2<10 THEN NT$=NT$+"0"
335 NT$=NT$+STR$(NT2)+" GMT"
336 RETURN

```

```

7000 REM *** DATAFILE LIST SUBROUTINE ***
7010 PRINT" AVAILABLE GEDATA FILES:"
7020 PRINT"          WORLD.DAT"
7030 PRINT"          METROBOS.DAT"
7040 PRINT"          NORTHAM.DAT"
7050 PRINT"          CARIB.DAT"
7060 PRINT"          CENTISTHAM.DAT"
7070 PRINT"          EURO.DAT"
7080 PRINT"          APRO.DAT"
7090 PRINT"          ASIA.DAT"
7100 PRINT"          PACIF.DAT"
7110 PRINT"
7980 PRINT
7990 RETURN
8000 REM *** O.P. QTH SUBROUTINE ***
8020 PRINT\PRINT
8030 QD=0
8100 INPUT" (1=YES / ANY OTHER #=NO) USE DEFAULT OPERATOR LOCATION";QD
8110 IF QD>1 THEN 8252
8120 Q5="USA / MA - W. Yarmouth"\$=N"\$=41.68
8130 OS="W"\$=70.22\GO TO 8500
8252 PRINT\INPUT" NAME OF OPERATOR LOCATION";Q5
8255 AS=""\PRINT\INPUT" IS OP.LOCATION LATITUDE NORTH (N) OR SOUTH (S)";AS
8256 IF AS>"N" AND AS<"S" THEN PRINT" ILLEGAL ENTRY"\GO TO 8255
8257 PRINT\PRINT" ENTER OP.LOCATION LATITUDE"\GOSUB 9800
8258 T-DEGREES
8260 OS=""\PRINT\INPUT" IS OP.LOCATION LONGITUDE WEST (W) OR EAST (E)";OS
8261 IF OS>"W" AND OS<"E" THEN PRINT" ILLEGAL ENTRY"\GO TO 8268
8262 PRINT\PRINT" ENTER OP.LOCATION LONGITUDE"\GOSUB 9800
8263 LO-DEGREES
8500 RETURN
9000 REM *** COORDINATE ENTRY SUBROUTINE ***
9010 INPUT" DEGREES";DEGREES
9020 IF DEGREES<INT(DEGREES) THEN 9100
9030 INPUT" MINUTES";MINUTES
9040 INPUT" SECONDS";SECONDS
9050 DEGREES=DEGREES+(MINUTES/60)+(SECONDS/3600)
9100 RETURN
9999 REM *** EXIT ***
10000 CLOSE #18
10500 GO TO 12000
11000 RESUME 130
12000 END

```



NEWS RELEASE

GILFER ASSOCIATES, INC.

52 Park Avenue, P. O. Box 239, Park Ridge, N. J. 07656 (Area Code 201 391-7887)

NEW EDITION

World Broadcast Station ADDRESS BOOK*

by Gerry L. Dexter

According to the publisher, GILFER SHORT-WAVE, the ADDRESS BOOK is put to many uses worldwide since it is such a unique listing, but its primary function is to help radio enthusiasts who wish to verify the reception of distant stations. A special introduction makes the reader privy to ways the author has found to increase his collection of QSL cards: what info broadcasters want; postage charges; a ranking for each station as to its likelihood of responding; and the names of hundreds of individuals at the radio stations to write to directly and thereby increase your chances of success. There is also (new to this edition) an "A" listing for those who are just starting this fascinating hobby.

The ADDRESS BOOK contains 128 pages. There are illustrations of QSL cards, reception reports, and stickers that may be received for proper reporting. The book retails at \$8.95 plus shipping; available directly from the publisher or from radio stores worldwide.

Address Book

QSL CARD
CARBON PAPER
CARBON PAPER
CARBON PAPER
CARBON PAPER

STATION PROFILE

Tony Fitzherbert, 356 Jackman Avenue, Fairfield, CT 06430

HOW SWEET HE WAS

A Tribute to the Voice of Pittsburgh Pirates on KDKA
(1916-1985)

by John R. Malicky

"Bobby Clemente hits it a mile....way back....and you can kiss it goodbye!!" "...Bobby Clemente is totally annihilating Baltimore pitching!!" "...Stuck him out swinging!!" "...Haddix pitches a perfect 9 inning, no hit, no run game!!" "...(foul) just by a gnat's eyelash..." "...closer than fuzz on a tick's ear" "we need a bloop and a blast..." "there's a bug on a rug!" "We need a Hoover!!" "...chicken on the Hill with Will!!" "We had'em all the way!!...How sweet it is!!"

Pittsburgh and many other of his fans were saddened to hear that the man who spoke these colorful phrases and who was known as "The Gunner", Mr. Robert F. Prince, 68, died on Monday, June 10, 1985 at 5:35pm.

Of all the things that have happened to the Pirates in 1985, the selling of the team, the drug investigation, the firing of General Manager Peterson, and the team's losing record, it was a kind and civic-minded gesture that KDKA did to bring back the legendary Pirate broadcaster. In hopes of sparking a larger interest and possibly improve attendance, "The Gunner" can back on the air, Friday night, May 3rd, for a weekend series with the Dodgers. The pictures included show Mr. Prince being welcomed back by the present voice of the Pirates, Lanny Frattare, and acknowledging the greetings from the Three Rivers Stadium crowd. Bob did the middle three innings with Jim Rocker, the other Pirate announcer. Along with Frattare, it was hoped those three could be a superior team. As I listened to Mr. Prince's first game, I was stunned to hear he final was 16-2, pirates, with 9 runs in the fourth inning including Bob mentioning that Pirate first baseman, Jason Thompson, "might as well sing one", and he did! A "dinger" in Mr. Prince's tone was a homerun. Two week later during a short homestand with the Reds in a two hour rain delay, Mr. Prince came down with pneumonia and was hospitalized on May 20th. Then just 6 weeks after cancer surgery on his throat, Bob Prince was gone.

That night on WTAE's and KDKA's talk shows, the tributes flowed from the public as well as from baseball greats Dick Groat, Warren Spahn, and Lou Berdette, and from Mr. Prince's broadcasting partner from 1958-69, Jim Woods. KDKA-TV also had a 40 minute special with tributes from ex-Pirate pitcher Steve Blass, Woods again, Jack Buck f KMDX (as the Cardinals were in town) who mentioned "Bob treated everybody like a star", and Mr. Prince's second partner from 1967-75, Nellie King. There were two moments of silence, on before Monday's night game and the second at 8PM, Sunday night, June 16th, the day of Mr. Prince's memorial service. Sunday nights one minute of silence came after KDKA's "Sport Huddle" talk show and tuning around the band, was also on 4 AM stations (WARD, WMAH, KDU, WPLW) and 4 PM stations (WDUQ, WPNT, WYDD, WMHO). Many people said Bob Prince was a friend to all, the rich, the famous, and the common person. Others spoke of how Mr. Prince helped people by lending his money and/or his great charity work with the Allegheny Valley School for Exceptional Children. Flamboyant, a quick wit, and colorful personality were traits to describe Bob Prince. Sam Noyer of WPXI-TV said, "Bob was the King of the (Pittsburgh broadcasting) industry." Mel's announcer an former Pirate Ralph Kiner said, "He was Mr. Pittsburgh. When you thought of Pittsburgh, you thought of Bo Prince." As for myself, I never had the opportunity to meet Mr. Prince, but I grew up listening to any of his games, and in my mind, and in the minds of many, Prince and the Pirates were inseparable.

Following graduation from Oklahoma University and attending Harvard Law School, Bob Prince's sportscasting career started at WJAS in 1941. In 1947, Mr. Prince began as an understudy to Rosey Rosewell, another great Pirate broadcaster, at WWSW, then holding Pirate broadcasting rights. Bob not only spelled Rosewell at the mike, he was also Rosewell's sound effects man. Recreating road games via telegraph tickertape in the WWSW studios in the old Sherwyn Hotel, Rosewell described a Pirate homerun by telling "Aunt Minnie" to run upstairs to open that window, "because here she (the ball) comes!" However, it was too late and the sound of her window shattering was created when Bob dropped a garbage can lid or a tray of nuts and bolts to the floor. During the off season, Mr. Prince also did Steeler football for 11 years and Penn State football for 9 years. Following Rosewell's death in 1955, Bob became the top man and a year later moved over to KDKA as they took over the Pirate broadcasting rights. An important lesson Mr. Prince learned from Rosewell was that if the Pirates were down by a big score, "you've got to keep people interested with

funny stories, names, and reminiscences...and to be able to pronounce towns around Pittsburgh correctly - Monaca, Monessen, and Zelienople."

In my younger days in the 1960s when I first started listening to baseball, I can remember Mr. Prince ranting and raving for the Pirates. Around 1966, Bob introduced the "Green Weenie", so fans could put "the whammy" on visiting teams. In one game, it got Don Drysdale so upset, he turned to the umpire and said, "How can you concentrate with that silly idiot up there in the booth getting everybody to wave those weenies at me?" The umpire didn't know, but told Drysdale to pitch. Then Bobby Clemente hit a bases-loaded triple. Late in 1970-71, Bob Prince was encouraging women to wear babushkas to Pirate "Babushka Power"! I also remember Bob using the phrase "we need Hoover (get a double play, so we can clean the bases)" many times, but KDKA-owned Westinghouse didn't make Hoovers and we're mad, so Mr. Prince once said, "OK, I'll take a small Bissell instead", and that made them even angrier! The "chicken on the Hill with Will" phrase was used in the 70s whenever Willie Stargell was up a bat or hit a homerun. The "chicken on the Hill" referred to a place in Pittsburgh's Hill District owned by Stargell similar to Kentucky Fried. On time, again in 1971, Mr. Prince mentioned free chicken to anyone if Stargell would hit a homerun at that time at bat....well you guess what happened. The phrase or goof I'll always remember was during a game in Wrigley Field against the Cubs in 1968. A ninth inning, two out, easy flyball was hit to Pirate centerfielder Matty Alou that Mr. Prince non-chalantly described as a "big 'ole 210 pound can of golden bantam corn", but Alou drop it! That eventually resulted in the game being tied and the Cubs went on to win in extra innings. If ever Bob used that phrase again, it was with tongue-in-cheek.

Mr. Prince liked to give ballplayers and people names. Some former Pirates were the Dog (Bob Skinner), the Kitten (Harvey Haddix), the Tiger (Don Hoak), the Duck (Dick Schofield), the Quail (Bill Virdon), and his former partner the Possum (Jim Woods). Bob Prince also liked to say about Clemente, "Arriba Ro-beer-to!" Though it was Woods who bestowed "The Gunner" on Mr. Prince and while Woods wouldn't say why in the paper, he did disclose the truth on the KDKA-TV Tribute. Many years again in spring training, both men went to a bar, where Bob sat next to a woman to converse, but her husband didn't like this and later put a loaded gun to Mr. Prince's head. Fortunately, Bob escaped the incident and when they started a game the next day, Woods introduced his partner as "The Gunner".

Following the 1975 season, the shockwaves which would be felt by many Pirate fans for years to come occurred. Mr. Prince's 28 years of Pirate broadcasting came to an end with a controversial firing by KDKA. Also gone was his partner Nellie King. Mr. Prince "brooded and brooded" over this, by slowly came back. In 1976, Bob Prince became the first play-by-play announcer on ABC-TV's Monday Night Baseball while also doing Houston Astros baseball. However, Bob could not get adjusted to this new image, so he came back to Pittsburgh. Later, Mr. Prince formed "The Gunner Network" based from WYDD-FM on Saturday mornings, did commentary on WTAE-TV, and for three years returned to his first station, WJAS, as sports director. In 1982, slowly coming closer to the Pirates, Prince did cablecasts of their games. Then finally at long last in 1985, Bob Prince was brought back to KDKA, but the man was ill and the voice was not the same. As Nellie King said the day after Mr. Prince's death, "It was kind of sad hearin him that night (May 3rd)...if you heard Bob Prince when he was god, you knew this wasn't the same".

Mr. Prince will always be remembered as a legend in Pittsburgh. Remembered as a man with "the elegance of expression". Tonight on This Week in Baseball, Mel Allen summed it all up by saying Bob was, "a Prince of a man". Thus ends...my tribute...to Robert F. Prince...How Sweet He Was.

This article was condensed from stories in the Pittsburgh Press and on-air comments on WTAE Radio, WPXI-TV, and KDKA Radio and TV. Photographs by Marlene Karas of the Press. With additional comments by myself, John R. Malicky.

Printed in "DX News" with permission from the author, John R. Malicky.

WIMS-1420

NORTHERN INDIANA BROADCASTERS INC.
OLD CHICAGO ROAD, MICHIGAN CITY, INDIANA 46360

WAXL / 1280-AM
FM-98 WGLR

130 W. Elm St. - P.O. Box 587
Lancaster, WI 53813

Robert F. Prince
(1916-1985)



Labor Day Weekend - August 31, September 1 & 2

Welcome to RI '85! Lots to see and do in one of the East Coast's premiere resort and vacation areas: Newport with it's mansions, beaches and history. Nearby attractions like the Mystic Aquarium, New Bedford Whaling Museum and the Battleship Massachusetts! Not just an NRC Convention (as if that wasn't enough!!), but a good family vacation. The convention will be held at the Ramada Inn, 144 Anthony Road., Portsmouth, RI; 10 minutes from Newport.

Name: _____ Phone: _____

Address: _____

City: _____ State/Province: _____ Zip/PC: _____

Number in room: _____ Roommate(s): _____

Single \$55: _____ Double \$65: _____ (check one)

Arrive (time/date): _____ Depart (time/date): _____

Choice of meal: Chicken _____ Beef _____ (check one)

Registration fee: \$18.00 This includes the banquet, with your choice of Boneless breast of chicken OR Top Round of Beef. If you wish to prepay the registration fee, send a check to me for \$18.00, payable to NRC Convention 1985

Reservations at the Ramada will be held to 6:00pm with no deposit, held all night with pre payment for the night. Room deposit is payable by check to RAMADA INN. Send this to ME, and NOT to the Ramada.

AUCTION ITEMS may be sent to:

Craig Healy
Clement Associates
246 Pine St.
Seekonk, MA 02771

HOTEL RESERVATIONS MUST BE
IN TO CRAIG HEALY NO LATER
THAN AUGUST 6, 1985

You may qualify for group rate for your air flight. Contact for info:
Terry's Travel
1515-A Newman Ave.
Seekonk, MA 02771
617-399-6290

Mention the NRC Convention.

RI '85



VERIFICATION SIGNERS

Wayne Heinen, 4131 S. Andes Way, Aurora, CO 80013

Catch "AM Interlude" on HCJB Saturday nights.

540	WGTOq	Dick Hart CE	JM 1320 WQIKpu	U/U	HH
550	KUSA	Bill R. Schmidt ESu	JM 1340 KHUB	Art Clark CE	DB
560	CF0SLmbz	Rick Moss AM	JM 1350 KB0Tlm	Douglas Schneider O	JM
560	WHDQq	Christopher W. Kalb II	JM 1360 WNAhzm	Hoyt Carter PD	JM
600	WIIC	Lon Ludovici CE	DB 1370 KCRV1	Danny Nelson PD	JM
620	WJMJ	Jim Willimon MoE	DB 1380 KBLD1	Gary Brown PD	BP
640	WMS0mz	U/U	JM 1390 WMP0pu	John E. Kerr Jr. SM	JM
640	WMLsf	Jay Sanders PD	JM 1400 WDNY	Dave Mance GM	DB
660	CFRRfu	Rick Odegaard CE	WH 1430 WVAREpu	J. Super CE	JM
680	WCBm	Fred A. Klimes CE	JM 1510 WMRE1b	Elizabeth Schulenberg	JM
710	WDSMqb	Phil Mak CE	JM 1520 KQMA	Mary Murdoch AdmSecy	DB
730	KM0A	Steve Larson CE	DB 1540 WABQ1pum	Michael Gallagher VP	JM
730	WQH3lmb	Steve Greene CE	JM 1540 WN01mb	Gary Zocolo PD	JM
750	KJEL1b	Craig Miller GM	BP 1550 WCVL1	Gary Havens GM	JM
770	WA1slb	Dave Norris	JM 1550 WOKJ1mb	Dick Lange GM	JM
770	WLW1lmbz	Robert E. Perkins P	JM 1550 WWWN1m	Chris C. Folsom PD	JM
780	WAB5r	Steve R. Cross	JM 1550 WCTW1	Mark E. Englebow	BP
790	WMCq	U/U	JM 1550 WJIL1	Ron Gray GM	BP
790	WTNY	Doreen D. Hanson EDept	DB 1550 WBCV1z	Rev. Jennings Dotson	BP
800	WSH0pu	Larry Alford GM	HH 1550 WXVA1	T. Christopher Gullett	BP
850	WJW	U/U	DB 1550 KEW11	Dan Miller PD	BP
850	WIK1lmbz	Gary Liebisch CE	JM 1550 HITSp	Gerardo M. Rodmans	HH
860	WOAY1	Gene Ellison SM	JM 1560 WRIN1	H. Holevinsky CE	JM
900	KAAN	Gregg Richwine	DB 1560 WKD01m	Rick Wesely DJ	BP
900	KJSK	Gerry Kautz CE	DB 1560 KPWS1m	Grain Blanchard PD	BP
910	WXAM1b	Paul E. Burt CE	BP 1560 WCNW1	Vernon R. Baldwin P	BP
920	WPTX1m	Lee Dravis PD	JM 1560 WYZDpu	L.R. Comer	HH
920	KYFR1m	George L. Wassung CE	BP 1570 WKYR1	Ray Mullinix M	JM
930	CKNS1lmbz	Debbie Hopkin	JM 1570 KBJT1m	Carna Coates	BP
940	WMIQqm	Bob Hoffman CE	JM 1570 WBG21mb	Mike Dreith OpM	BP
950	WLIT1mbz	Sherry Hansen TD	JM 1570 WGSR1	Bill Kent	BP
960	WSBYqmb	Bruce Wharton ACE	JM 1580 WEAM1m	C. Jeff Nicholson GM	BP
980	KC1J1m	Franklin Ridenour Jr	JM 1580 WIZY1mb	C. Jeff Nicholson GM	BP
980	KMBZ	Dale Wolf ESu	DB 1580 WJIK1	M.E. "Paul" Knight CE	BP
990	WVSC1m	Harold Showman CE	JM 1590 KPRSI	John Williams NxD	BP
1000	WIFX1mb	Don Mussel CE	JM 1600 KNCY	R. Ledham CE	BP
1030	KHDG1mbz	Gayle Carver Offm	JM 1600 WDRW	Dave Messing CE	DB
1040	WHBD1b	Ed Pendino E	JM 1600 WDRW	R. Miller CE	DB
1070	WANMbz	Joe Bullard P/Mxd	JM	Contributors	
1070	WSRG1m	Terry Sayle SisM	DB	to the column!!!!!!	
1100	KFAB	Jerry McKenna CE	BP		
1180	VDAq	U/U	BP		
1180	WSAF1m	John W. Abbott VP	BP	BP- Bill Prater, MD	
1200	WDAI	J. Furr TD	DB	DB- Dan Bartek, NE	
1210	WDA01	Mark Gierhart CE	BP	HH- Hank Holbrook, MD	
1270	WHRF	Frank White CE	DB	JM- John Malicky, PA	
1280	KRANI	Ed Kouzens GM	BP	WH- Wayne Heinen, CO	
1300	WERE	Mark Krieger CE	DB		

Report: Position Titles

Lc Meaning

/ Two Titles

A Announcer (when used alone)

A Assistant (when combined)

Bu Business G General

C Chief M Manager

D Director Mx Music

DJ Disc Jockey Nx News

E Engineer O Owner

En Engineering o of

Op Operator of Office

P President (used alone)

P Program (when Combined)

Se Secretary

Sl Sales

Su Supervisor

Sx Sports

T Technician (used alone)

T Technician (when combined)

Tr Traffic

VP vice President

Report: littleletters

Lc Meaning

b Bumber or Window Sticker

c Hand or Typewritten Post card

e English Reply

f Form Letter

h Signer is a ham op

i letter

m Coverage Map

n Non English Reply

p Self Prepared Card

q Pre printed QSL Card

r DX'ers report returned as the QSL

s Record Survey

t T-Shirt

u Result of Follow Up report

v Vague verification

z Assorted Promo Material